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ABANDONED MINE LANDS

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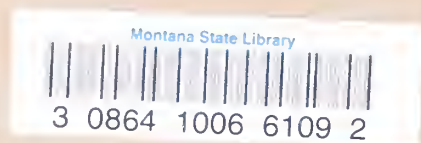
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SOCIOECONOMIC TECHNICAL REPORT
SAND COULEE AND BELT AREAS;
IMPACT OF ABANDONED MINE LANDS

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I. SAND COULEE AREA

SOCIOECONOMICS RELATIVE TO ABANDONED MINES

A. STUDY

1. Literature Search

a. Document Review

Early in the study and throughout the course of work on this project numerous literature sources were obtained and reviewed. There was not a wealth of information found in any document especially pertaining to the socioeconomic conditions of the effected area. Three principal documents however, were specific to the region and contained helpful information. The first of these three primary documents was a thesis dated December of 1970 by George M. McArthur. The title of the thesis is "Acid Mine Waste Pollution Abatement - Sand Coulee Creek, Montana." Copies of this thesis are located in the Montana State University library in Bozeman. A second document helpful in understanding the background and current status of economic factors is the Cascade County Development Plan produced in 1979 by the Cascade County Planning Board. Copies of this document are available in the Great Falls City Library and at the offices of the Cascade County Planning Board. The third publication of significant information is titled the "Sand Coulee Creek and Upper Tributaries Flood Hazard Analyses." This publication is dated July, 1973, and is produced by the Soil Conservation Service of the U.S. Department of Agriculture. This report is also available in the Great Falls City

Library and at the offices of the Montana Department of Natural Resources and Conservation, the Cascade County Conservation District in Great Falls and at the Soil Conservation Service state headquarters in Bozeman.

Other information that was reviewed included census figures for Cascade County and incorporated communities therein, and miscellaneous papers and communications that were discovered in offices of pertinent agencies. Interviews were held with residents of the area, both home owners and significant land owners, farmers and ranchers, and interviews were further held with officials of the Cascade County Extension Office, Soil Conservation Office, Cascade County Treasurers office, Assessors office, and Classification and Appraisal offices. Also information was obtained from knowledgeable surveyors, land appraisers, and realtors in the Great Falls area.

b. A Brief Historical Perspective of the Economy of the Area

The Sand Coulee Creek area and the communities of Sand Coulee, Stockett, Tracy and Centerville are located approximately 12 miles south and east of Great Falls. As such the influence of Great Falls on these communities has always been very substantial. Great Falls and Cascade County are the second most populous county and city in the state. With this Sand Coulee Creek area so close to Great Falls, the socioeconomics of the two areas are obviously closely linked.

Mining and agriculture have played the important roles in the development of this entire area. Major coal mining operations, took place in the southeastern part of Cascade County early in it's history but have since been discontinued. Cattle and livestock raising and grain production are the primary agricultural products and provide the principal economic base for the area.

In 1887 the first railroad service connected the Great Falls area to other parts of the nation. At this time spur lines were being constructed to the numerous mining areas which included a line relatively close to the communities under study in this report. The Sand Coulee, Tracy, Stockett area is located in the very western portion of what is known as the Great Falls/Lewistown coal field. In the late 1880's and early 1900's a few large coal mines were opened and operated in this area as well as a large number of small mines.

Early geological reports indicate that the Nelson mine, just east of Sand Coulee, was probably the first mine to open in the area in about 1890. Similar records indicate that the Giffen Mine was probably the largest coal mine in the area with production capacity of approximately 6,000 tons per day. The names of other significant mines in the Sand Coulee Creek area include the Cottonwood, the Gruber, the Dahn, and the Mount Oregon.

The primary use for the coal produced from this region was as a fuel for railroad locomotives. The production life of most of these

mines ended in the mid-1940's as the general economy was resettling itself from the World War II years and as energy for power switched from coal to liquid petroleum products.

The population of this area was highest in the peak coal mining periods in early 1900's. At the close of most of the coal-mining operations population of the area dwindled and in recent years has been relatively steady. Twenty years ago in the 1960 census, the area had a recorded population of slightly less than 1,000. In 1970, the Eden/Stockett division of the Cascade County census count recorded 866 persons. In 1980 that total was 862 in the Eden/Stockett division. Clearly the population is remaining very stable. Most of the people who live in this area commute to work in Great Falls or are retired on their individual properties in these small communities. Some population projections have been made of the area and these indicate a growth trend in the 1980's. However, it is the opinion of this research team that the population based in this area will continue to be very stable with very little growth if any.

2. Socioeconomic Analysis

a. Historic Land Use Patterns

Considering an area about five miles by about ten miles which encompasses the Tracy, Sand Coulee, Stockett area, the early land use prior to coal mining activity was nearly exclusively agricultural. Since the late 1800's, an increase in farm cropland has been the case with previous grazing and hay land converted to crop production.

The majority of the open land in this area, however, was used for livestock grazing. The terrain is rolling with some relatively rough breaks, canyons, and coulees with creek bottoms a bit below the bench lands which are now mostly farmed. The breaks are more frequent and consequently more rangeland is the case in the southern and eastern portions of this section of Cascade County.

b. Acreage and Locations of Mining Land Use

Beginning just two miles north of Tracy and extending to approximately three miles south of the Stockett area, a number of abandoned mine sites have been identified. To identify the area and to specifically pinpoint these mine sites, aerial photography of 1977 vintage was obtained from the Agricultural Stabilization and Conservation Service. A collage of the obtained photography was put together so that the entire area could be viewed in one photograph. This photo is an appendix to the report. The approximate scale of this photography is eight inches to the mile. This area view is referenced frequently in this report, and is considered an integral part to the understanding of the analysis.

In this general locality a total of 88 abandoned mine adits have been identified. Of this 88, 10 are identified to be currently discharging acid mine water into nearby streams and creeks. These adit locations are based on identification work on Hydrometrics Inc. and others.

On the aerial photograph the non-discharging mine sites are identified with a yellow dot, the 10 mine sites discharging water are identified with a red dot. The communities of Tracy, Sand Coulee, Centerville and Stockett are identified. The mines that are indicated as discharging water are further identified with a number assigned to them by Hydrometrics in their evaluation of discharging water.

The concentration of abandoned mine sites is evident in the area between Tracy and Centerville along Sand Coulee Creek. Another heavy concentration of abandoned mine sites occurs in the general vicinity principally north and south of the community of Sand Coulee. The mine adits are generally located where coal bearing formations outcrop at points where the terrain drops steeply from the benchlands to the bottom of the ravines and coulees.

An approximate measurement was made utilizing the aerial photography to arrive at the total number of acres that have been in mining land use. Considering the 88 adits identified in this aerial photograph, an estimated 600 acres are consumed by mining uses of one type or another.

c. Present Land Use In the Study Area

There are three general types of land usage in the study area region. First of all there are the concentrations of population and housing development in the previously mentioned communities: Tracy, Sand Coulee, Centerville, and Stockett. Secondly there is the agri-

cultural land use of cropland, some irrigated but most dryland. And thirdly, there is the agricultural land use of open grazing and woodland. The only other significant use of land in any other form would be that of roads and highways which basically run in a north/south pattern through this area under study.

Considering the region to be five miles in an east/west direction, by ten miles in a north/south direction, centering the communities in the middle of that land area, that equates to 32,000 acres. Of this amount, approximately 280 acres are consumed by the concentrations of population and housing. This is termed built-up area. This amounts to 1% of the total land. In this region there are nearly 7,700 acres in cropland which is 24% of the total. The remaining 24,000 acres is utilized for range purposes or is considered to be breaks or rough terrain. 75% of the land use in this particular study region is open range country.

d. The Relationship of Populated Areas To Abandoned Mine Sites

Upon examination of the aerial photography and the dot pattern of identified mine adits, it becomes clear that most of the mines are clustered very near existing communities. This of course is logical since it was the mine sites themselves which spawned the communities initially. The population centered near to employment, that of the coal mines.

Sand Coulee is the most impacted community with more mine adits

clustered near its concentration than any other community in the area. Centerville has the second highest concentration of mine openings near its residential housing. The community of Tracy has a half dozen mine adits immediately to the east of it, however, the concentration is significantly less than for Sand Coulee or Centerville. Stockett has several mines surrounding it, however, the concentration of these abandoned mines is less an impact to this community than to any of the other three.

Stockett is the community with the most people, approximately 400, followed by Sand Coulee with 300, Tracy with approximately 200, and Centerville with less than 100. Each day most of the population of these communities pass by and through areas with significant old abandoned mine sites. However, in terms of being effected by an abandoned mine site, the people living in Sand Coulee have the most potential impact.

e. Likely Land Use If Mine Pollution Had Not Occurred

To imagine no mine pollution occurring is to make the assumption that there were no coal mines developed in the area. Under the scenario of no coal mine development in this region, it is probable that there would only be one community rather than four in this particular region. Under that assumption there would be fewer roads, less area devoted to housing, and little or no land devoted to mining uses. Outcroppings of coal throughout the region would of course still be obvious but acid mine drainage, pollution of area

streams, creeks and degradation of grazing hillsides would likely not have occurred.

Going back and assuming that mining practice in the early days could have eliminated the visual and stream and ground pollution, then certainly the communities would be there as they are today and perhaps people would reside there in greater numbers simply because the area would be more aesthetically pleasing and would offer a more pastoral setting for people wanting to live near to Great Falls but outside of the city. A small number of acres that are now damaged by mine pollution would be in cropland, however, the bulk of the acreage throughout the area that has been impacted by mining would be in a grazing land use.

f. Cumulative Economic Return

To derive a cumulative economic benefit foregone in this region due to past mining activities that took agricultural land out of production, the base of 600 acres of impacted land previously identified was used. Of the 600 acres, approximately 10% would likely have been in cropland, 85% in rangeland and 5% would likely have been added to the built up or urbanized housing areas.

The derivation of the value foregone in cropland was based upon a timeframe of forty years (1940-1980) of production. The productivity average per acre was determined through an analyzation of the average crop receipts per acre in Montana from 1940 to 1980. This analysis

resulted in our estimate of average productivity per acre of \$44.97. Using that figure and 60 acres for 40 years and a rotational cropping pattern of fallow every other year, we arrived at a total of \$53,964 of foregone revenue directly attributed to land not otherwise in crop production resulting from coal mine related activity.

Moving to rangeland, of the 600 acres of affected land in this area, 510 was considered to be rangeland. Again using a 40 year time span and an average productivity per acre of \$14.50 (historic analysis) a year, \$295,800 is the cumulative impact.

By combining the cropland and rangeland revenue loss and assuming a net revenue result of 10%, which would then in turn be available as an investment that would accrue interest a calculation can be made to determine the overall economic impact. Throughout the 40 year time span, an approximation of the interest earned on the net revenue from these acreages would approximate \$92,800. Adding that then to the productivity lost from direct crop and grazing land revenues, results in a total foregone net revenue of \$442,566. This figure is an approximation of the impact to the agricultural economy of the area from direct farming and ranching operations that can be described as being lost or foregone as a result of the residual effects of coal mining (post 1940) in the area.

The cumulative economic return that is related to the foregone sales of land that could not be part of the community concentration is

also based on a 40 year timeframe. Using 30 acres and an average land price of \$1,000 per acre, a return rate of 10% and an interest rate of 5%, the cumulative return not realized would amount to \$37,960. Overall net return not realized from the land in the Sand Coulee area due to abandoned mines then totals \$480,526.

g. Property Values

In order to arrive at a determination of property values in this coal mining affected region and other portions of Cascade County, two approaches were used. The first approach was to consider the comments and results of the survey of area residents, and second to consider interviews with real estate personnel and appraisal personnel familiar with the locality.

Beginning with the latter source first, it was determined through interviews with numerous realtors and real estate appraisers with experience in both residential and farmland appraising in and around the Great Falls area that generally there is no appreciable difference in value of either residential properties or farm properties resulting directly from pollution or perceived pollution from the abandoned coal mine sites. In the course of our interviews with these people most acknowledged that it would be logical to assume some valuation difference with values being lower in the Tracy/Sand Coulee/Centerville/Stockett areas, however, recent land sales and past experience didn't indicate that there was any appreciable difference in value. There certainly were comments that land sales in the area had slowed considerably recently, however, this was primarily attributable to the

general slowing in interest in suburban lands simply because of the cost of gasoline to get to and from work and homes in outlying areas.

The primary source of information for land values, that of the comments and indications of the residents of the area themselves, is likely a bit more valuable in assessing economic impacts. In the Stockett/Sand Coulee area, 37% of the respondents to the survey indicated that their property has been affected in some way by pollution from abandoned mine sites. However, only 28% of those respondents indicated that there was any direct economic loss that they had experienced.

Another survey question that bears directly on the assessment of valuation change in this area deals with whether or not people think they are either better off, worse off, or about the same in terms of living conditions when compared to others in rural Cascade County. 13% of the respondents indicated they thought they were worse off, the remainder thought they were either better off or about the same as others throughout the county. All in all it certainly can be said that the residents of this coal mine impacted area are and have experienced some degree of valuation loss as a result of the mines. However, outside evidence, as well as the thoughts of residents who are there, indicate it to be a relatively small difference.

To arrive at a calculation of the property value difference regarding farmland, we go back to our area of 50 square miles where 7,700 acres are in cropland and 24,000 acres are in grazing land. Our

assessment using land prices of 1980 is that cropland in Cascade County sells for about \$614 per acre, grazing land for about \$292 an acre. Based upon our conversations with appraisers we determined that cropland in the area of coal mines would likely suffer a 5% value penalty while grazing lands suffer a lesser devaluation of 2%. Further assuming as the survey results indicated, that 37% of the lands in this area were effected in some way by coal mining pollution, the resulting calculation indicates that currently agricultural land in this 50 square miles of area would be valued \$141,600 less than a comparable land area situated elsewhere in Cascade County with no coal mine pollution impact.

In determining the residential property value impacts we begin with the fact that in 1980 there are 308 housing units in this general vicinity. Using the survey results that 37% of these properties are in some way effected by mine pollution we have an effected housing unit total of 114. Several respondents to the survey indicated substantial reduction in home value resulting from the nearby mines. In tracking this down a bit further, we determined not from any official appraisal but from the home owners estimates, this averaged \$4,000 per residential property. Assuming then that this \$4,000 of reduced property value would be characteristic throughout the area, this would equate to a 1980 valuation suppression in this area of \$456,000.

h. Inhabitant Assessment of Social Well-Being

One of the initial steps in this study was to identify the property

owners of land in the area. Once we accomplished this we had a base name and address list which we could use to send out surveys of area residents. This was done in the communities of Tracy, Sand Coulee, Centerville, and Stockett. The overall rate of return or response rate to this residential survey was 37%, which is considered relatively high for a survey of this nature. A copy of that two-page survey is included here with the final determination by percentages of the responses received.

STOCKETT - SAND COULEE FINAL RESULTS 41 COMPLETED SURVEYS

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

| | |
|----------------------|------------|
| a. A farmer/rancher? | <u>15%</u> |
| b. A homeowner? | <u>47%</u> |
| c. A landowner? | <u>38%</u> |

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| a. Air quality | <u>74%</u> | <u>19%</u> | <u>7%</u> |
| b. Surface water quality | <u>0%</u> | <u>32%</u> | <u>68%</u> |
| c. Subsurface water quality | <u>18%</u> | <u>41%</u> | <u>41%</u> |
| d. Wildlife numbers | <u>57%</u> | <u>21%</u> | <u>22%</u> |
| e. Vegetation growth | <u>15%</u> | <u>58%</u> | <u>27%</u> |
| f. Aesthetics, view | <u>26%</u> | <u>23%</u> | <u>51%</u> |
| g. Land sinkage | <u>44%</u> | <u>41%</u> | <u>15%</u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes 15% No 85%

4) Do you own the mineral rights beneath your property?
 Yes, 100% 10% Yes, Partially 20% Don't know 30%
 No 40% The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?
 No 63%
 Yes 37% :

| | | How Much Area? |
|-----------------------------|------------|----------------|
| a. Air quality | <u>.5%</u> | <u>3 ac.</u> |
| b. Surface water quality | <u>20%</u> | <u>30 ac.</u> |
| c. Subsurface water quality | <u>15%</u> | <u>7 ac.</u> |
| d. Wildlife numbers | <u>.5%</u> | <u>3 ac.</u> |
| e. Vegetation growth | <u>15%</u> | <u>6 ac.</u> |
| f. Aesthetics, view | <u>20%</u> | <u>10 ac.</u> |
| g. Land sinkage | <u>3%</u> | <u>--</u> |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?
 No 72%
 Yes 28% :

| | | About How Many Annual Dollars? |
|------------------------------|------------|--------------------------------|
| a. Reduced crop yield | <u>17%</u> | <u>600</u> |
| b. Reduced livestock yield | <u>11%</u> | <u>--</u> |
| c. Reduced land value | <u>28%</u> | <u>2,000</u> |
| d. Reduced home value | <u>22%</u> | <u>8,000</u> |
| e. Personal Health or safety | <u>17%</u> | <u>--</u> |
| f. Other, (Specify) | _____ | _____ |
| Animal Health | <u>5%</u> | <u>300</u> |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
 a. Better off 26%
 b. Worse off 13%
 c. About the Same 61%

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|------------|------------|
| a. Plugging the mine openings | <u>63%</u> | <u>37%</u> |
| b. Removing the mine waste piles | <u>80%</u> | <u>20%</u> |
| c. Treating the water to clear the streams | <u>85%</u> | <u>15%</u> |
| d. Drilling wells to stop or reduce water flows | <u>27%</u> | <u>73%</u> |
| e. Reseeding after cleanup of waste piles | <u>87%</u> | <u>13%</u> |
| f. Using the waste piles on roads | <u>73%</u> | <u>27%</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes 64%
 - b. No 36%

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Specific mention will be made of the highlights of the tabulated questionnaires. In response to question No. 1 only 15% of the respondents were farmers and ranchers, most of the people responding were homeowners.

In question No. 2, 74% answered that air quality was not a pollution problem resulting from any of the abandoned mine sites and conversely the highest number of responses as to what was the most significant type of pollution was surface water quality at 68%. The least significant issues in addition to air quality were wildlife impacts and land subsidence or sinkage. Every respondent indicated that surface water quality was to some degree a pollution problem with vegetation growth and subsurface water quality following closely as issues of significant general pollution.

Question No. 3 found that only 15% of those responding had a mine site on their property and question No. 4 found 40% of those surveyed did not own the mineral rights beneath their property. Many people did not know who owned the mineral rights currently.

In question No. 5, 63% of the people responding indicated that none of their property had been effected by any pollution from abandoned mines. Of the remainder who did indicate that they experienced some pollution, the types of pollution most frequently mentioned were surface water quality, aesthetics or view, vegetation growth and subsurface water quality. The total land area mentioned by these people who had experienced pollution damage was relatively small, the largest land area effected being that of surface water quality with an estimate of 30 acres.

Question No. 6 asked specifically whether or not they had any economic loss from any type of pollution relative to the abandoned mines. A substantial 72% indicated that they had no economic loss. For those indicating some economic damage, reduced land value and reduced home value were most frequently mentioned. It's important to note that personal health and safety was mentioned by 17% of those having experienced some economic damage.

In question No. 7 people had the chance to indicate whether they thought they were better off, worse off or about the same compared to others who lived in rural Cascade County. 26% felt they

were better off, 61% felt they were about the same, with 13% feeling that they were worse off.

Question No. 8 attempted to determine the thoughts of the residents on what they would like to see done regarding mitigating measures relative to mine pollution. The most popular actions were a reseeded of an area after the clean-up of the waste piles followed closely by the popularity of treating the water to clear the surface streams. Most frequently mentioned as something the people that live in the area would not like to have done was the action of drilling wells to stop or reduce water flows. 73% of the respondents indicated that they would be against that action. The next most unpopular action was that of plugging the mine openings. These two potential actions to reclaim pollution damage are viewed very negatively because of the concern that people have in the area for their underground water supplies.

In question No. 9 we found that 64% of the respondents would be willing to participate in mine site reclamation projects if they had some input regarding the project.

Question No. 10 asks for comments or general observations about the issues of reclaiming local abandoned mine sites. An example of the significant comments are as follows:

1. Plugging mine openings will definitely cause deterioration of deep

well water supplies.

2. It would be very nice to have the small streams in the area running clear.
3. Cleaning up the waste piles would improve the value and appearance of our whole community.
4. It is essential that the water be allowed to drain from the mine openings. Concrete culverts could be installed to allow for drainage and directed to treatment areas.
5. Drilling wells to change water flows entails to high a risk.
6. I do not think the government should spend any money on this project.
7. During high water times the pollution runoff from the mines damages my garden.
8. Any reclamation efforts would be beneficial to our area, however, considering tax dollars and costs large expenditures should not be undertaken.
9. There is great danger of youngster safety relative to old mine openings and sink holes.

The questionnaires are an appendix to this report and are available for further examination and analyzation.

i. Business Dollar Impact to Area Communities and Great Falls

The impact on business receipts to communities in the area is directly proportional to the loss of revenues that can be attributed to the mine pollutions. In this case, as previously described, these

cumulative losses are all agricultural related and were previously calculated at \$442,566. Relatively speaking, for this size of an area this economic loss is not that great. Using 1975 statistics on the income generation of basic and non-basic industries in Cascade County, an income multiplier was derived. The results of that derivation indicated a 2.89 multiplier, in other words for every dollar of basic income earned, secondary businesses could expect to see it turned an additional 2.89 times in the county. Applying this income multiplier to the cumulative agricultural productivity lost would amount to \$1,279,000 or an average of \$32,000 a year over the last 40 years. This amount of business income loss would be spread across the many businesses in Great Falls and the nearby communities. It is a relatively minor adverse impact on an annual basis.

2. Ownership Inventory

a. Ownership Descriptions

A complete land-ownership identification coverage in the Stockett/Sand Coulee area of Cascade County was performed. The area included the following sections: in Township 19 North, Range 4 East, Sections 1, 12, 13, 14, 23, 24, 25, 35, and 36; in Township 18 North, Range 4 East, Sections 1, 12, 13, and 14; in Township 19 North, Range 5 East, Sections 6, 7, 18, 19, 20, 30, and 31; in Township 18 North, Range 5 East, Sections 6, 7, and 18. Research was conducted in the Cascade County Courthouse in the Assessors office, the Treasurers office and the Clerk and Records office to determine the owners name, the owners address, and the legal description of the property involved. This information is a part of the appendix of this report and is available for further use by interested parties. Specific detailed maps of these property locations were not reproduced as they

are updated continuously and are readily available in the offices of the Assessor in Cascade County.

b. Property Owners That Would Be Willing To Participate In
Future Reclamation Projects

The residential survey of land owners in the Stockett and Sand Coulee areas indicated that 64% of the property owners would be willing to participate in mine site reclamation projects if they had an input regarding the project. In some cases the property owner did not indicate on the survey form his name and address and therefore where some property owners suggested that they would be willing to participate their names, however, were not available.

From the survey questionnaire those who identified themselves as being willing to participate in reclamation projects are listed alphabetically here:

Anna Leah Dolena,

Jack Eidel,

Robert and Carol Erickson,

Adone Giannini,

Ronald Guisti,

Bernice T. Heal,

Albert Korin,

Earl A. Lee,

E. G. Loeffler,

Robert Mandville,

Thomas W. Rickard,
Mrs. Paula Roof,
Gerald Schlosser,
Gerold Schwartzenger,
William T. Surmi,
Bill Wesland,
Donald A. Yureck,
Marvine R. Yureck, and Rick Yureck.

There definitely are other property owners in the Sand Coulee and Stockett areas who would be interested in participating in mine site reclamation. In many comments on the survey forms the people asked for public meetings and public education of plans and possibilities. At such public presentations certainly a more comprehensive list of interested property owners could be developed. The property owners mentioned above would be reasonable and logical people to begin with in exploring the possibilities of alternative forms of mine site reclamation.

B. Sand Coulee land ownership

SAND COULEE AREA

T19N, R4E, Sec. 1

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|---|---------------------------------|
| Cemetery | | |
| Victor F. & Elizabeth N. Ehman et al | 1131 5 St. South Great Falls, MT 59405 | SESW, S/2SE Ls 2.21 |
| E. J. Lander & Co. | Box 608 Grand Forks, ND 58201 | N/2, N/2S/2, In SWSW Ls 7.59 |

SAND COULEE AREA
T19N, R4E, Sec. 12

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|--|--------------------------|
| <u>By Water Addition</u> | | |
| Carol C. & Leota M. Ankney | Star Route, Box 69 Sand Coulee, MT 59472 | Lot 4A |
| Hilda Bolser | Star Rt., Box 60 Sand Coulee, MT 59472 | Lot 11D |
| Edwin J. & Emily Jackson | Box 83 Sand Coulee, MT 59472 | Lot 4, 5B, 6C |
| Edward G. & Zita R. Loeffler | Box 119 Sand Coulee, MT 59472 | Lot 1 |
| Helene Lucotch | 13442 168 Av. SE Renton, WA 98055 | Lot 6B, 8, C |
| Lawrence J. Milot | Star Route Sand Coulee, MT 59472 | Lot 2, 3 |
| Thomas W. & Elaine Rose Rickard | Star Route Sand Coulee, MT 59472 | Lot 10A |
| Renee M. Steffani | Sand Coulee, MT 59472 | Lots 5A, 6, 7, 8A, 10 |
| John E. Wadsworth | Box 1254 Great Falls, MT 59403 | In NESE MK 84A |
| Archie J. & Lillian Zuern | Heath Star Rt., Space #A4 Cambridge, ID 83610 | Lot 11C |
| Melvin Zuern | Box 23 Sand Coulee, MT 59472 | Lot 11A Lot 11B |

SAND COULEE AREA
T19N, R4E, Sec. 12

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|---|---|
| <u>Lands Not Platted</u> | | |
| Asa E. & Pearl M. Cantrell | RR Box 15 Sand Coulee, MT 59472 | In SESE by M & B MK 12 |
| Victor J. & Elizabeth H. Ehman et al | 1131 5 St. South Great Falls, MT 59405 | NE/4, W/RR, N/2NW, E/R railroad |
| Bernice Thelma Heal | Stockett, MT 59480 | PT SENE, E/2SE MK 91 |
| Dale & Jane Korin | Sand Coulee, MT 59472 | In S/2 MK 81A |
| Richard L. & Louise M. Kujala | Box 53 Sand Coulee, MT 59472 | In N/2SE, In NESW MK 84 |
| Evelyn Annabelle Lyman | Star Rt. Sand Coulee, MT 59472 | In N/2SE, In NESW MK 84B |
| Lyman Ranch | Rt. 2 S, Box 667 Great Falls, MT 59405 | S/2NW, In NWNW |
| Arthur W. Shubat | 2302 West Yakima Ave. Yakima, WA 98902 | In NENE, SE/RR MK 14 |
| Renee Steffani | Sand Coulee, MT 59472 | In SWSE MK 13 In SWSE MK 17 In SE/4 MK 21 In S/2 MK 81 |
| John Wadsworth | Box 1254 Great Falls, MT 59403 | In NESE MK 84A |

SAND COULEE AREA
T19N, R4E, Sec. 13

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---|--|
| Ernest W. & Marilyn L. Chartier | Box 96 Sand Coulee, MT 59472 | In NESW MK 16 In W/2SW, E/RR |
| George J. & Josephine M. Dusko | Box 67 Sand Coulee, MT 59472 | Sand Coulee Imps MK 5 Sand Coulee Misc. by M & B MK 11-11A |
| Charles E. & Verna M. Entsminger | Sand Coulee, MT 59472 | In NENE Imps Sand Coulee Misc. MK 3 In NENE MK 22 |
| Hobart F. & Ruth M. Feller | Box 85 Sand Coulee, MT 59472 | In NW/4SW/4 LS 9.2 MK 5 |
| Hilda Frantzich | Box 70 Sand Coulee, MT 59472 | PT NW/4, N & W/RR |
| Russell C. & Rose M. Frantzich et al | 1/2 H. Frantzich Box 70 Sand Coulee, MT 59472 | PT NW/4, N & W/RR |
| Arthur G. Jr. & Eleanor V. Freeman et al | Box 21 Sand Coulee, MT 59472 | In SWSW MK F-1 |
| Lloyd Theodore & Marjorie June Freeman | Box 63 Sand Coulee, MT 59472 | In NWSW MK 1C |
| Adone & Ruby Giannini | Box 157 Sand Coulee, MT 59472 | In N/2SW MK 1 & X In SENW MK H |

SAND COULEE AREA
T19N, R4E, Sec. 13
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|-------------------------------------|---|
| Gary & Shirley Giannini | Box 128 Sand Coulee, MT 59472 | In NESW MK 18 |
| Great Northern Ry Co. | | |
| Frank & Nancy Hein | Sand Coulee, MT 59472 | In NESW MK 2B |
| Donald & Margaret Hess | Box 135 Sand Coulee, MT 59472 | In NESW MK 1A |
| Jesse L. & Mozelle Hotz | Box 335 Sand Coulee, MT 59472 | In NESW MK 21 |
| Neil E. & Valerie J. Humphrey | Box 163 Sand Coulee, MT 59472 | Sand Coulee Misc. In NESW MK 26 |
| John H. & Hilja L. Jarvi | Box 108 Sand Coulee, MT 59472 | W/2SE, SESE, SESW, PT NESW |
| George & May Kavulla | Box 176 Sand Coulee, MT 59472 | Sand Coulee Misc. In SWNE MK 15 |
| Mike J. & Edith Kavulla | Star Route Sand Coulee, MT 59472 | In NENE MK 9 |
| Albert & Margaret M. Korin | Box 87 Sand Coulee, MT 59472 | Sand Coulee Imps MK 21, MK 22, MK 24 |
| Gordon S. & Mary E. Lencioni | Box 35 Sand Coulee, MT 59472 | In SENW MK 2A In SENW MK 2C |

SAND COULEE AREA
T19N, R4E, Sec. 13
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|--|--------------------------|
| Joseph & Florence Lopuch | Sand Coulee, MT 59472 | In NESW MK 17 |
| Montana Power Co. | | |
| Theodore H. & Elfriede E. Mrochan | Box 155 Sand Coulee, MT 59472 | In SWNE MK 20 |
| Terry D. & Norene Nett et al | 1421 9 Ave. South Great Falls, MT 59405 | In NESE MK 20 |
| Harold H. & Joyce D. Ridgel | Box 1940 Placerville, CA 95667 | In NWSW MK 1B |
| Sand Coulee United Methodist Church | | |
| Gerald E. & Madeline F. Schlosser | Box 124 Sand Coulee, MT 59472 | In NESW MK 19 |
| School District | | |
| George & Marthele L. Soha | Sand Coulee, MT 59472 | In NENE MK 10 |
| Clifford & Lila Stortz | 1222 5 Ave. South Great Falls, MT 59401 | In SENW MK P |
| William T. Surmi | Star Rt. Box 3 Sand Coulee, MT 59472 | In NESW MK 12X |

SAND COULEE AREA
T19N, R4E, Sec. 13
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|----------------------------|-------------------------------------|
| William J. & Diane C. Tesinsky | Stockett, MT 59480 | In NWSW MK 5A |
| Sergious L. & Margaret Weaver | Box 626 Havre, MT 59501 | In NESW MK 12AX |
| Richard L. & Terri M. Weil | Sand Coulee, MT 59472 | In N/2SW MK 25 |
| Kenneth J. Wolf & Robert Peterson | Sand Coulee, MT 59472 | Sand Coulee Misc. By M & B MK 13 |

SAND COULEE AREA
T19N, R4E, Sec. 14

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|--|-------------------------------|
| John R. & Joyce M. Ashmore | Box 47 Sand Coulee, MT 59472 | IN SESE MK X2 |
| Glenn W. & Audrey K. Bridgeford | Box 126 Sand Coulee, MT 59472 | In SESE MK 0 In SESE MK 2A |
| Ernst & Marilyn Chartier | Sand Coulee, MT 59401 | In SESE, S/RR |
| Charles L. & Joyce Frantzich | Rt. 2 S, Box 669 Great Falls, MT 59401 | S/2NENW, N/2SEnw |
| Hilda Frantzich | Box 70 Sand Coulee, MT 59472 | NWSW, In SE/4 |
| Eddy A. & Lola L. Hakola | Sand Coulee, MT 59472 | E/2SW, SWSW Ls .97 |
| Donald & Violet M. Hills | %H. Frantzich Box 70 Sand Coulee, MT 59472 | NWNW |
| Paul F. Hovdey | Sand Coulee, MT 59472 | In SESE MK X4 |
| Dale E. Kavulla | 2325 3 Av. N. Great Falls, MT 59401 | In SESE MK X3 |
| Edgar F., Jr. & Donna E. Sowers | Stockett, MT 59480 | In SESE MK X |

SAND COULEE AREA
T19N, R4E, Sec. 23

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|----------------------------------|---|
| Ernest W. & Marilyn Chartier | Sand Coulee, MT 59472 | SE/4, E/2NE, NESW, In SENW & SWNE |
| Hilda Frantzich | Box 70 Sand Coulee, MT 59472 | NWNE |
| Lola & Eddy Hakola | Sand Coulee, MT 59472 | NENW Ls 1.95, W/2NW, PT SENW SWNE Ls 3.25 |
| Harvey & Elizabeth LaRocque | Box 123 Sand Coulee, MT 59472 | S/2SW, NWSW Ls. 3.69 |
| Garold & Karen M. Schwartzzenberger | Box 129 Sand Coulee, MT 59472 | In W/2 MK 16A In W/2 MK 16B |

SAND COULEE AREA
T19N, R4E, Sec. 24

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|----------------------------------|------------------------------|
| Ernst W. & Marilyn L. Chartier | Sand Coulee, MT 59472 | S/2, S/2NW, NWNW, SWNE |
| John H. & Hilja L. Jarvi | Box 108 Sand Coulee, MT 59472 | SENE, N/2NE, NENW |

SAND COULEE AREA
T19N, R4E, Sec. 25

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|-----------------------|----------------------------------|
| Cascade County | | |
| Ernest W. & Marilyn C. Chartier | Sand Coulee, MT 59472 | N/2, W/2SW, NWSE E/2SW, W/RD |
| Joseph G. Fabian | Stockett, MT 59480 | E/2 SESE Ls 1.80 In SESE MK 3 |
| Amy Johnson & Otto E. Johnson & Son | Sand Coulee, MT 59472 | NESE, E/HWY, SENE, SE/RR |
| Eleanor Singles | Stockett, MT 59480 | In SE/4, E/2SW, W/RD Ls 26.33 |
| Three Rivers Rural Tel. Co-op | | |

SAND COULEE AREA
T19N, R4E, Sec. 35

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|---|----------------------------|
| Cascade County | | |
| Ernest & Marilyn Chartier | Sand Coulee, MT 59472 | NE/4, N/2 SE Ls 5.90 RR |
| Calvin R. McCafferty | % Eidel Ranch Manchester Road Great Falls, MT 59401 | S/2S/2 Ls 4.20 |
| Loretta Alice & Arthur Oscar Wirtala | 21500 72 Av. W Edmonds, WA 98020 | N/2SW |
| Norman J. & Margaret A. Young | Box 116 Sand Coulee, MT 59472 | NW/4 |

SAND COULEE AREA
T19N, R4E, Sec. 36

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|-------------------------------|--|
| Cascade County | | |
| Ernest & Marilyn Chartier | Sand Coulee, MT 59472 | NWSW, SWNW, N/2NW, N/RR |
| Rinaldo Giusti & Ida Guisti Merva | Stockett, MT 59480 | In NWNE MK X |
| Robert T. Klasnew, Jr. | Stockett, MT 59480 | In N/2NE, SWNE, NWSE, E/2W/2 In SE/4, SESW MK 3 In W/2 MK 7 |
| Montana Power Company | | |
| Ruby Parenteau | Stockett, MT 59480 | In NWSE MK 7A |
| Bertha E. Petrucci | Box 97 Stockett, MT 59480 | SWSW, W/2SESW |
| Richard F. & Paulette K. Roof | Sent to Stockett, MT 59480 | In NESW MK 7C |
| Eleanor Singles | Stockett, MT 59480 | N/2NWNE, N/2S/2NWNE S/2SWNWNE MK 8 |
| Robert L. & Anthony M. Smerker | Belt, MT 59412 | SENE, In NESE & SESE MK 1 |
| William L & Audrey E. Wesland | Box 553 Stockett, MT 59480 | In NESW MK 7B |

SAND COULEE AREA
T18N R4E, Sec. 1

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------|------------------------------|------------------------------------|
| Robert T. Klasner, Jr. | Stockett, MT 59480 | E/2, E/2NW E C/RD In SESE MK 3A |
| Bertha E. Petrucci | Box 97 Stockett, MT 59480 | W/2 Ls 17.57 W/RD |

SAND COULEE AREA
T18N R4E, Sec. 12

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------|--|------------------------------|
| Anna Leah Dolena | Stockett, MT 59480 | In SE/4 MK 4A |
| Lesley Moretta Hatcher | 1910 2nd Ave. N Great Falls, MT 59401 | NW/4 Ls 3.89 |
| Jo Ann Shirley | ½ W.C. Shirley Stockett, MT 59480 | SE/4 Ls 2.42 |
| William C. Shirley | Stockett, MT 59480 | SW/4 Ls 11.66 |

SAND COULEE AREA
T18N R4E, Sec. 13

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------|---|------------------------------|
| Leo E. Mayernik et al | Stockett, MT 59480 | W/2, SE/4 Ls 20.82 |
| Jo Ann Shirley | c/o W. C. Shirley Stockett, MT 59480 | NE/4 |

SAND COULEE AREA
T18N R4E, Sec. 14

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------|--------------------|--|
| Cascade Co. | | |
| Leo Mayerik et al | Stockett, MT 59480 | SENE, E/2SE Ls 10.67 |
| Eleanor M. Singles | Stockett, MT 59480 | NW/4, N/2SW Ls 9.04 SWNE, W/2SE, S/2SW Ls 26.96 |
| Donald A. Yurek | Stockett, MT 59480 | In NENENW MK 3 |
| Mervine R. Yurek | Stockett, MT 59480 | N/2NE Ls 2.10 |
| Rick L. & Linda D. Yurek | Stockett, MT 59480 | In N/2NE Mk 3A |

SAND COULEE AREA
T19N R5E, Sec. 6

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|---|--------------------------------|
| Joseph B. & Gail E. Amlong | Box 68A Sand Coulee, MT 59472 | In E/2NW Mk 1 |
| Shirley F. Greenslate | Star Route, Box 64 Sand Coulee, MT 59472 | In E/2NW Mk 12 |
| Frank B. & Paula Grieve | Sand Coulee, MT 59472 | In SENW Mk 2A In SENW Mk 2B |
| Otto E. Johnson & Son | Sand Coulee, MT 59472 | E/2, E/2NW Lot 3, SESW |
| E. J. Lander & Co. | Box 608 Grand Forks, ND 58201 | SW/4, SWNW Ls 17.62 |
| Lyman Ranch | Rt. 2 S, Box 667 Great Falls, MT 59405 | Lot 4 |
| Robert L. & Elaine E. Mandville | Star Rte., Box 65 Sand Coulee, MT 59472 | In Lot 4 Mk 8B |

SAND COULEE AREA
T19N R5E, Sec. 7

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|--|----------------------------------|
| Alice & John H. Broquist | 2719 3 Ave. S. Great Falls, MT 59405 | In NWSW MK 1 |
| Victor F. & Elizabeth H. Ehman et al | 1131 5th St. S. Great Falls, MT 59405 | NWNW, W/RD Ls .13 |
| Robert C. & Carol Erickson | Star Rte., Box 53 Sand Coulee, MT 59472 | In NWSW MK 3 |
| Bernice Thelma Heal | 404 25th Ave. NE Great Falls, MT 59404 | S/2S/2, NWSE, S/2NW, In N/2SW |
| Thomas Henry & Louise K. Heal | Star Route Stockett, MT 59480 | In NESW MK 10 |
| Wm. K. Heal | 27 Old Helgate, Mullan Dr. Missoula, MT 59801 | In NESW MK 8 |
| Otto E. Johnson & Son | Stockett, MT 59480 | NE/4, NESE |
| E. J. Lander & Co. | Box 608 Grand Forks, ND 58201 | NENW, In NWNW |
| Cullen A. & Susannah D. Lee | Box 84 Sand Coulee, MT 59472 | In N/2SW MK X |
| Earl A. Lee | Star Rte., Box 55 Sand Coulee, MT 59472 | In NWSW MK 2 |

SAND COULEE AREA
T19N R5E, Sec. 18

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|--|-----------------------------------|
| Emmet E. & Bonnie Jo Eller | Star Rt., Box 9 Sand Coulee, MT 59472 | In Lot 2 MK 2 |
| Great Northern Ry. Co. | | |
| Otto E. Johnson & Son | Sand Coulee, MT 59472 | E/2SE, NE/4, SENW |
| Mike J. & Edith Kavulla | Star Rt. Sand Coulee, MT 59472 | S/2SW, Pt N/2NW, SWSE Ls 16.82 |
| Martin J. & Vicki Luoma | Star Rt., Box 6 Sand Coulee, MT 59472 | In SENW MK 9 |
| Leo H. & Doris Marko | 3904 4 Av. S. Great Falls, MT 59405 | NESW, W/2SE E/C Rd |
| Terry D. & Norene Nett, et al | 1421 9 Av. S. Great Falls, MT 59405 | In N/2SW MK 1A |
| Renee M. Steffani | Sand Coulee, MT 59472 | In N/2SW, W/RD In Lot 2 |
| John Wadsworth | 109 5 St. N. Great Falls, MT 59401 | In SWNW MK X |

SAND COULEE AREA
T19N R5E, Sec. 19

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|----------------------------------|---------------------------------|
| Thomas O & Marcia K. Behrent | Sand Coulee, MT 59472 | In NE/4 MK 7A |
| Ernest W. & Marilyn L. Chartier | Sand Coulee, MT 59472 | In SWNE, NESW, SWSW LS 11.27 |
| Rinaldo James Guisti et al | Box 99 Stockett, MT 59480 | SENE, NWSE W/RW |
| Ronald N. & Judith F. Guisti | Box 93 Sand Coulee, MT 59472 | In NWSE MK 12A |
| Bernice Thelma Heal | Stockett, MT 59480 | N/2NW, Pt NWNE LS 8.66 |
| John H. & Hilja Lydia Jarvi | Box 108 Sand Coulee, MT 59472 | Lots 2-3 |
| Otto E. Johnson & Son Amy Johnson | Sand Coulee, MT 59472 | All E/RR LS 32.76 |
| Roman Catholic Bishop of GF | | |
| School District #5 | | |
| Dennis J. & Joan L. Yatsko | Stockett, MT 59480 | In NWNE MK 0 |

SAND COULEE AREA
T19N R5E, Sec. 20

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---------------------------------|------------------------------|
| Otto E. Johnson & Son & Amy Johnson | Sand Coulee, MT 59472 | W/2 |
| Duane E. & Elaine F. Knox | Box 73 Sand Coulee, MT 59472 | In NW/4 MK 18 |
| State | | |
| William J. & Patricia Tamietti | Star Rt. Stockett, MT 59480 | In NW/4 MK 1 |

SAND COULEE AREA
T19N R5E, Sec. 30

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---|---------------------------------|
| Joseph G. Fabian | Stockett, MT 59480 | Lot 4 |
| Albert F. & Dorothea M. French | 1727 8 Ave. N. Great Falls, MT 59401 | In NWNW W/RR |
| Otto E. Johnson & Son & Amy Johnson | Sand Coulee, MT 59472 | E/2W/2, E/2, Lot 1-2-3, E/RR |

SAND COULEE AREA
T19N R5E, Sec. 31

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|-----------------------------|------------------------------------|
| Joseph G. Fabian | Box 1 Stockett, MT 59480 | Lot 1 |
| Robert Klasner | Stockett, MT 59480 | In SW/4 MK 5 LS 1.40 |
| Robert L. & Anthony M. Smerker | Belt, MT 59412 | E/2, E/2W/2, Lots 2-3-4 LS 5.61 |

SAND COULEE AREA
T18N R5E, Sec. 6

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|------------------------------|--|
| Matt Frisnegger, Jr. | Box 84 Stockett, MT 59480 | In Lot 4 MK 2A |
| Great Northern Railroad Co. | | |
| Robert T. Klasner, Jr. | Stockett, MT 59480 | Lots 4 to 7, E/2W/2 LS 13.31 In Lot 7 MK 2B In Lot 7 MK 2C |
| Richard & Marvene Raunig | Box 50 Stockett, MT 59480 | NE/4, N2 SE, SESE |
| Matt William & Aili Almyra Takala | Stockett, MT 59480 | SWSE |

SAND COULEE AREA
T18N R5E, Sec. 7

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|---|--|
| Anna Leah Dolena | Stockett, MT 59480 | PT Lots 1 & 2 MK 3 |
| Felix Menghini | 904 Crescent Dr. Great Falls, MT 59404 | In Lot 2 |
| Jo Ann Shirley | c/o W. C. Shirley Stockett, MT 59480 | In Lots 2 to 4 & E/2SW |
| Eleanor M. Singles | Stockett, MT 59480 | In NE Cor Lot 2 MK 1 |
| Matt William & Aila Almyra Takala | Box 78 Stockett, MT 59480 | E/2, E/2NW, In W/2NW & E/2SW LS 20.42 |

SAND COULEE AREA
T18N R5E, Sec. 18

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|---|--------------------------------|
| Clara D. Gerlach et al | Box G Stockett, MT 59480 | W/2SE, NESE, S/2NE, PT NWNE |
| Joseph Kornowsky Jr. | Box 105 Stockett, MT 59480 | SESE |
| Leo Mayernik et al | Stockett, MT 59480 | In W/2 LS 5.16 |
| JoAnn Shirley | c/o W. C. Shirley Stockett, MT 59480 | PT Lot 1 |
| Matt William & Aila Almyra Takala | Stockett, MT 59480 | NENE, N Pt SENE & N/2NWNE |
| William Takala | Stockett, MT 59480 | In NENW N & E C/RD MK 3 |

C. Sand Coulee area resident questionnaires

~~For P...~~

San Council

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|----------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> (TOTAL) |
| c. Subsurface water quality | _____ | <u> X </u> | _____ |
| d. Wildlife numbers | _____ | <u> X </u> | _____ |
| e. Vegetation growth | _____ | <u> X </u> | _____ |
| f. Aesthetics, view | _____ | <u> X </u> | _____ |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is ARCO (ANACOND CO.)

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes X :

| | | How Much Area? |
|-----------------------------|--------------|---------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | <u> X </u> | <u> ALL </u> |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | <u> X </u> | <u> 1/2 ACRE </u> |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

WE SUSPECT THAT PREVIOUS ATTEMPTS TO PLUG
MINES CAUSED DETERIORATION OF OUR DEEP-WELL
WATER SUPPLY BY UNDERGROUND RE-CHANNELING.
A SMALL STREAM RUNNING THROUGH OUR LAND IS
100% UNUSABLE (SULPHUROUS)

Your Name: CULLEN A. LEE

M. J. P. Lee
R. B. Lee
and others interested

~~Not recorded~~ 9/10/11

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | <u> X </u> | _____ |
| c. Subsurface water quality | _____ | <u> X </u> | _____ |
| d. Wildlife numbers | <u> X </u> | _____ | _____ |
| e. Vegetation growth | _____ | <u> X </u> | _____ |
| f. Aesthetics, view | _____ | <u> X </u> | _____ |
| g. Land sinkage | _____ | <u> X </u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Put in SC.

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | <u>✓</u> | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same 2

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Concerning Sand Coulee Creek, Montana area ^{great falls}

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1) Are you:

- a. A farmer/rancher?
- b. A homeowner?
- c. A landowner?

✓
✓
✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|---------------|---------------|---------------------|
| a. Air quality | <u> </u> | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| c. Subsurface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| d. Wildlife numbers | <u> </u> | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u>✓</u> | <u>✓</u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u>✓</u> |
| g. Land sinkage | <u> </u> | <u> </u> | <u> </u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes ✓ No

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially ✓ Don't know
No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No
Yes ✓:

| | | How Much Area? |
|-----------------------------|---------------|----------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u>✓</u> | <u> </u> |
| c. Subsurface water quality | <u>✓</u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u>✓</u> | <u> </u> |
| f. Aesthetics, view | <u>✓</u> | <u> </u> |
| g. Land sinkage | <u> </u> | <u> </u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | ✓ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Eidel Ranch, Inc. by Jack Eidel

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☐
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☒ No ☐

4) Do you own the mineral rights beneath your property?
 Yes, 100% ☐ Yes, Partially ☒ Don't know ☐
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☒:

| | How Much Area? |
|-----------------------------|----------------------|
| a. Air quality | <input type="text"/> |
| b. Surface water quality | <input type="text"/> |
| c. Subsurface water quality | <input type="text"/> |
| d. Wildlife numbers | <input type="text"/> |
| e. Vegetation growth | <input type="text"/> |
| f. Aesthetics, view | <input type="text"/> |
| g. Land sinkage | <input type="text"/> |
| h. Other, (Specify) | <input type="text"/> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ☒:

- a. Reduced crop yield
- b. Reduced livestock yield
- c. Reduced land value
- d. Reduced home value
- e. Personal Health or safety
- f. Other, (Specify)

About How
Many Annual Dollars?

\$450

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
- b. Worse off
- c. About the Same

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g. Other, (Specify) | <input type="checkbox"/> | <input type="checkbox"/> |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
- b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It would be nice to have
the 2 small streams on our property
running clear - but it looks like
an impossible task. The waste piles on
our property are land marks & should be left
there

Your Name:

Marilyn Charter

Ernest W. Charter
PO BOX 96



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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? _____
 - c. A landowner? yes

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------------|---------------|--------------------|
| a. Air quality | <u>very slight</u> | _____ | _____ |
| b. Surface water quality | <u>none</u> | _____ | _____ |
| c. Subsurface water quality | <u>none</u> | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | <u>slight</u> | _____ |
| f. Aesthetics, view | <u>none</u> | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

- 3) Is there a mine site on your property? Yes X No _____

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially X Don't know _____
 No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes :

About How
Many Annual Dollars?

- | | | |
|------------------------------|---------------|---------------|
| a. Reduced crop yield | <u> </u> | <u> </u> |
| b. Reduced livestock yield | <u> </u> | <u> </u> |
| c. Reduced land value | <u> </u> | <u> </u> |
| d. Reduced home value | <u> </u> | <u> </u> |
| e. Personal Health or safety | <u> </u> | <u> </u> |
| f. Other, (Specify) | <u> </u> | <u> </u> |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
b. Worse off
c. About the Same

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | <u>Yes</u> | <u>No</u> |
|---|---------------|---------------|
| a. Plugging the mine openings | <u> </u> | <u> </u> |
| b. Removing the mine waste piles | <u> </u> | <u> </u> |
| c. Treating the water to clear the streams | <u> </u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> </u> | <u> </u> |
| e. Reseeding after cleanup of waste piles | <u> </u> | <u> </u> |
| f. Using the waste piles on roads | <u> </u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No X

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: William & Aili Almyra Takala
Box 89
Stocker MT 59480

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓:

| | | <u>How Much Area?</u> |
|-----------------------------|----------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓ _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|----------------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | <u>✓</u> _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off ✓ _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------------|----------------|
| a. Plugging the mine openings | <u>✓</u> _____ | _____ |
| b. Removing the mine waste piles | <u>✓</u> _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> _____ | _____ |
| f. Using the waste piles on roads | <u>✓</u> _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓ _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Cleaning up the waste piles would improve
the value & appearance of our whole
community. !!

Your Name: Mrs. Paula Rolf

Concerning Sand Coulee Creek, Montana area ^{williston, ND}

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|----------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ <u>✓</u> | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Archie and Lillian Zuerch
C/O Tower of Wheels
Williston, ND 58801

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1) Are you:

- a. A farmer/rancher? ☐
- b. A homeowner? ☒
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------------------|-------------------------------------|--------------------------|
| a. Air quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?
 Yes, 100% ☐ Yes, Partially ☐ Don't know ☐
 No ☒ The owner is ☐

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes ☐:

| | How Much Area? |
|-----------------------------|--------------------------|
| a. Air quality | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> |
| h. Other, (Specify) | <input type="checkbox"/> |
| _____ | <input type="checkbox"/> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Sand Coulee ✓

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓
 - c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is UNKNOWN

5) Has any of your property been effected by any pollution from abandoned mines?

| | | |
|-----------------------------|----------|----------------|
| No | _____ | |
| Yes | <u>✓</u> | |
| | | How Much Area? |
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | <u>4 ACRES</u> |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ☒:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|---------------------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | 4,000 ⁰⁰ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off

b. Worse off ☒

c. About the Same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒

b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

IT IS VERY ESSENTIAL THE WATER BE ALLOWED TO DRAIN FROM THE
MINES. IF THE OPENING IS SEALED THE WATER WILL SEEP OUT THE HILL-
SIDES KILLING ALL VEGETATION AND WILL EVENTUALLY WORK ITS WAY
INTO SPRINGS AND UNDERGROUND WATER SUPPLIES. I WOULD LIKE TO SEE
CONCRETE CULVERTS INSTALLED IN THE MINE OPENINGS TO ALLOW FOR
DRAINAGE BEFORE CLOSING THE OPENINGS TO THE OUTSIDE AIR.

Your Name: William T. Suirni

TE! I WOULD APPRECIATE ANY INFORMATION ON PROPOSED PROSECTS AND THERE
SHOULD BE AN OPPORTUNITY FOR COMMUNITY INPUT.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is Ze

5) Has any of your property been effected by any pollution from abandoned mines?

No

Yes X:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

Seepage of mine water into basement when
 water level goes up in mines, when our son
 ad a leak in his water pipes, when digging found mine water
 no doubt it effects sewer systems too.

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |

g. Other, (Specify) Plugging mine openings would just cause it to seep out some place else such as our basement.

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X also we have a byd dump truck & a 10-4
b. No _____ cat is interested in renting them.

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Find a way to drain water from mines, you close the openings, it will seep out someplace else.
Clean out the creek bed to make a deeper channel and make it look better

Your Name: _____

Albert Korin

Concerning Sand Coulee Creek, Montana area

Loretta Wintola
21500-72 Ave. W
Edmonds, WA
98020
✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
- a. Better off _____
- b. Worse off _____
- c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes _____
- b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

12-23-80

If you think we may help or, please let us know. J.W.

We have sold our property in Sand Coulee and have not resided there for several years. Therefore I doubt that we could accurately answer your questions.

Your Name: I am happy to hear someone is concerned about pollution in the Sand Coulee Creek - Loretta Wirtala

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- 1) Are you:
- a. A farmer/rancher? ✓
 - b. A homeowner? _____
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> in the mine out areas |
| d. Wildlife numbers | _____ | _____ | <u>✓</u> |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

- 3) Is there a mine site on your property? Yes _____ No ✓ but it is partially mined & out.

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially ✓ Don't know _____
 No _____ The owner is U.S.A. & BN or Continental Coal out of Denver.

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒ as there is nothing to clean up on our property.

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

1a. plugging the mine openings would make the area look better but it wouldn't stop the water pollution.

1b. I can't see where drilling wells would stop or reduce the water flow from the mines.

1c. the cinder and waste piles are no good for road surfaces. they blow & wash off in a few years.

Your Name: Eddy A. Hakala

Sand Coulee ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially ✓ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | | <u>How Much Area?</u> |
|-----------------------------|----------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | <u>✓</u> | <u>100%</u> |
| c. Subsurface water quality | <u>✓</u> | <u>100%</u> |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

To protect our clean water wells
so no mine water flows into them

Your Name:

Lawrence J. Milet

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|---------------------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | _____ | _____ | <u>X</u> |
| e. Vegetation growth | _____ | _____ | <u>X</u> |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | _____ | <u>X</u> |
| h. Other (specify) | _____ | _____ | _____ |
| <u>The entire valley is in a mess</u> | | | |

3) Is there a mine site on your property? Yes yes No _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes X:

| | | How Much Area? |
|-----------------------------|----------|------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | <u>X</u> | <u>all</u> |
| c. Subsurface water quality | <u>X</u> | <u>all</u> |
| d. Wildlife numbers | <u>X</u> | <u>all</u> |
| e. Vegetation growth | <u>X</u> | <u>partially</u> |
| f. Aesthetics, view | <u>X</u> | <u>all</u> |
| g. Land sinkage | <u>X</u> | <u>all</u> |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes X:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value X _____
d. Reduced home value X _____
e. Personal Health or safety _____
f. Other, (Specify) _____

can't put a figure on it.

10000
5000

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | <u>NO</u> |
| g. Other, (Specify) <u>to many to say</u> | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

something should surely be
done about sites.

Your Name:

Adone G. Annunzio

Adone G. Annunzio
General Del

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------|
| a. Air quality | <input checked="" type="checkbox"/> | | |
| b. Surface water quality | | <input checked="" type="checkbox"/> | |
| c. Subsurface water quality | <input checked="" type="checkbox"/> | | |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | | |
| e. Vegetation growth | | <input checked="" type="checkbox"/> | |
| f. Aesthetics, view | | <input checked="" type="checkbox"/> | |
| g. Land sinkage | <input checked="" type="checkbox"/> | | |
| h. Other (specify) | | | |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I think government should
reduce spending - Not spend
it on this project*

Your Name: _____

Concerning Sand Coulee Creek, Montana area

9-20-11
✓

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | <u>✓</u> |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Lesley M Hatcher
1910 2nd Ave No
Great Falls Mont.

T.A.P., What is TAP for? Just another rip off of the government to TAKE more money from landowners for NONSENSE!

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The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|--|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | <u>X</u> | | |
| d. Wildlife numbers | <u>X</u> | | |
| e. Vegetation growth | <u>X</u> | | |
| f. Aesthetics, view | <u>X</u> | | |
| g. Land sinkage | <u>X</u> | | |
| h. Other (specify) <u>Anything to spend money</u> | | | <u>X</u> |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes X:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

Your first study cost everyone - \$\$\$\$

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

Paid by TAX PAYER S

- 8) If the project and its cost was ~~government sponsored~~, would you like to see any of the following done? who is the government?

- | | Yes | No |
|--|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) <u>Stay out of this area</u> | <u>X</u> | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Why plug mine openings? So the water will run out some place else. You can't treat the water any better than "Mother Nature". Do you know what the acid content was in the water 40 years ago compared to now? The water is getting clearer all the time on it's own. Why drill holes to

Your Name: _____

stop water flow?

(is on the other side)

(over)

If you people would stop and think, you might realize that drilling hole deeper you MAY: (A) Ruin ANY subsurface water quality. (B) Ruin ANY drinking water. (C) To top it all off what would you say to the taxpayers when "Giant Springs" turned up with Rust color in it? Do you folks know the under ground course of Giant Springs before it comes to surface?

Now you folks are talking about spreading ~~ash~~ ash piles or cinders on roads. If ~~nothing~~ grass or vegetation don't grow on them now what happens when you put them on roads? you kill any vegetation growth along the road ways. Why don't you folks hold a meeting on this with the landowners?

I would be happy to hear from T. A.P. regarding my comments and your answers.

Thank you

Frank W. Hein & Nancy Hein
Box 65
Sand Coulee, Mont.
59472

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1) Are you:

- a. A farmer/rancher? ✓
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially ✓ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

- a. Air quality _____
 b. Surface water quality _____
 c. Subsurface water quality _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view _____
 g. Land sinkage _____
 h. Other, (Specify) _____

How Much Area?

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

John J. J. J.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

Piles of coal slack cover part of the land close to the house.

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value ☒
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

About How
Many Annual Dollars?

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Rick Yurok



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ☒ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|---|
| a. Air quality | _____ | _____ | <input checked="" type="checkbox"/> _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ☒ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is Robert Rlesoner

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ☒ _____

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ✓

About How
Many Annual Dollars?

a. Reduced crop yield ✓

b. Reduced livestock yield

c. Reduced land value

d. Reduced home value

e. Personal Health or safety

f. Other, (Specify)

*100%
over year
loss*

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off

b. Worse off ✓

c. About the Same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|------------------|-------------|
| a. Plugging the mine openings | <u> ✓ </u> | <u> </u> |
| b. Removing the mine waste piles | <u> </u> | <u> </u> |
| c. Treating the water to clear the streams | <u> ✓ </u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> </u> | <u> </u> |
| e. Reseeding after cleanup of waste piles | <u> </u> | <u> </u> |
| f. Using the waste piles on roads | <u> </u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes

b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*at High Water the Pollution gets into the Garden
and it also gets onto our County Road
In Winter it freezes right on the right on the Road.
I have 1 1/2 acres of land*

Your Name:

Matt Friesinger

13x 8x Stockade Montana

59480

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1) Are you:

- a. A farmer/rancher?
b. A homeowner?
c. A landowner?

☒ ☐ ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?
Yes, 100% ☐ Yes, Partially ☐ Don't know ☒
No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes ☐:

| | How Much Area? |
|-----------------------------|----------------------|
| a. Air quality | <input type="text"/> |
| b. Surface water quality | <input type="text"/> |
| c. Subsurface water quality | <input type="text"/> |
| d. Wildlife numbers | <input type="text"/> |
| e. Vegetation growth | <input type="text"/> |
| f. Aesthetics, view | <input type="text"/> |
| g. Land sinkage | <input type="text"/> |
| h. Other, (Specify) | <input type="text"/> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes ☐

About How
Many Annual Dollars?

a. Reduced crop yield

b. Reduced livestock yield

c. Reduced land value

d. Reduced home value

e. Personal Health or safety

f. Other, (Specify)

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off

b. Worse off

c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input type="text"/> | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="text"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="text"/> |
| d. Drilling wells to stop or reduce water flows | <input type="text"/> | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="text"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="text"/> |
| g. Other, (Specify) <input type="text"/> | <input type="text"/> | <input type="text"/> |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes

b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

By Plugging the mine holes ^{it} would
~~the~~ mess up our water wells.
The mine water will go
in our wells.

Your Name:

George Saha

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | <u>X</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | <u>X</u> | _____ |
| d. Wildlife numbers | _____ | _____ | <u>X</u> |
| e. Vegetation growth | _____ | _____ | <u>X</u> |
| f. Aesthetics, view | _____ | _____ | <u>XXXXX</u> |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X:

| | | How Much Area? |
|-----------------------------|----------|------------------------------|
| a. Air quality | <u>X</u> | APPROX. $2\frac{1}{2}$ ACRES |
| b. Surface water quality | <u>X</u> | SAME |
| c. Subsurface water quality | <u>?</u> | _____ |
| d. Wildlife numbers | <u>X</u> | SAME |
| e. Vegetation growth | <u>X</u> | SAME |
| f. Aesthetics, view | <u>X</u> | THE WHOLE AREA AROUND |
| g. Land sinkage | <u>?</u> | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes X _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|----------|----------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | <u>X</u> | <u>?</u> |
| d. Reduced home value | <u>X</u> | <u>?</u> |
| e. Personal Health or safety | <u>X</u> | <u>?</u> |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X _____
c. About the Same _____

THIS QUESTION IS DEBATEABLE FOR SEVERAL REASONS.....

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>?</u> | <u>?</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

SEVERAL YEARS AGO, I WROTE TO WASHINGTON, REGARDING THIS ISSUE.

I DO KNOW THAT THE FUNDS HAVE BEEN ALOCATED, BUT SO FAR NOTHING

HAS BEEN DONE TO ELEVATE ANY OF THE PROBLEMS, NOR HAVE WE HEARD

ANYTHING. WE HAVE DONE ALOT OF WORK TO MAKE THIS AREA AT LEAST

LIVABLE, BUT THERE STILL ARE MANY PROBLEMS

Your Name:

Ronald & Judith F. Guisti

Ronald N. & Judith F.

Guisti

Box 93

Sand Coulee, MT 59472



T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: David Schlorer

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____ ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ ✓ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No _____ ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ ✓ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____ ✓
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The reason for complaining about the surface water is because of the pollution of the water that runs down this valley. It could possibly be that if it wasn't for the mines there would be any water running year around anyway I don't know

Thank you

Your Name:

Earl C Lee

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? yes
- c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------|--------------|--------------------|
| a. Air quality | <u>none</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>small</u> | _____ |
| c. Subsurface water quality | _____ | <u>small</u> | _____ |
| d. Wildlife numbers | <u>none</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>small</u> | _____ |
| f. Aesthetics, view | _____ | <u>small</u> | _____ |
| g. Land sinkage | _____ | <u>small</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No no

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No no
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No no
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

None

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same same

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- a. Plugging the mine openings
b. Removing the mine waste piles
c. Treating the water to clear the streams
d. Drilling wells to stop or reduce water flows
e. Reseeding after cleanup of waste piles
f. Using the waste piles on roads
g. Other, (Specify) _____

Yes
yes
yes

yes
yes

No
no

if mines
are
plugged
will
it affect
subsurface
water

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes yes
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think we need
the coal - go after it

Your Name: THOMAS W RICKARD

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> _____ |
| c. Subsurface water quality | _____ | _____ | <u>X</u> _____ |
| d. Wildlife numbers | _____ | _____ | <u>X</u> _____ |
| e. Vegetation growth | _____ | _____ | <u>X</u> _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X _____

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____:

| | | How Much Area? |
|-----------------------------|----------------|---------------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | <u>X</u> _____ | <u>garden tract</u> _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes X:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

garden tract _____

_____?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X _____
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____?
- b. No _____?

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

George Kaula

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | <u>X</u> | _____ |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No X The owner is Andersson Company

5) Has any of your property been effected by any pollution from abandoned mines?

No X

Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-----------|
| a. Plugging the mine openings | _____ | <u>XX</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>^</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>use waste on private roads who wants it done make year round road.</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No X bad health. but would answer questions lived here all my life born right here. (65 yrs old now)

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In the Stockett Sand Coulee area we all have either ^{private} ~~private~~ deep wells or either community owned. All deep wells average 200 ft depth. If you plug up the openings the water from the mines has to go some place and it will run into our water table and ruin all the water systems out here because well in these towns are all ^{surrounded} ~~surrounded~~ by old worked out mines full of water. The water runs down Sand Coulee Creek and back here no one.

Your Name: Mike D Kavulla Star Route Sand Coulee MT 59472

P.S. Two ~~plug~~ ^{family} out here plug up a mine on their property and lost their water system's the mine water got into their drinking water. (over)

to be sure this needs careful thought before you plug up any mines

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---|-----------|
| a. Plugging the mine openings | _____ | <u>XX</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) | <u>use waste on private roads who wants it done make year round road.</u> | |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
b. No X bad health. but would answer questions lived here all my life born right here. (65 yrs old now)

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In the Stockett Sand Coulee area we all have either ^{private} deep wells or ~~either~~ community owned. All deep wells average 200 ft depth. If you plug up the openings the water from the mines has to go some place and it will run into our water table and ruin all the water systems out here because well in these towns are all ^{surrounded} by old worked out mines full of water. The water runs down Sand Coulee Creek and back here no one.

Your Name: Mike & Kavella Star Route Sand Coulee MT 59472

P.S. Two ^{families} ~~people~~ out here plug up a mine on their property and lost their water systems the mine water got into their drinking water. (over 10 down 10 bars, this was carefully before you plug up any mines)

Concerning Sand Coulee Creek, Montana area

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓

No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Felix Merghini

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>X</u> |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Eric Washburn

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is Hevige, Neal & Estate

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓:

| | | How Much Area? |
|-----------------------------|------------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | <u>✓</u> * | <u>200'</u> |
| f. Aesthetics, view | <u>✓</u> | <u>200'</u> |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

* from railroad bed coming from old coal mines and not the mine itself.

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? *see #10*

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Any reclamation would be beneficial to our area however Government spending increases taxes and we are taxed to the limit now. Should this be Federally or State funded? Water flow from the old mines has priority

Your Name:

Carol Erickson

Robert Erickson



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> ✓ </u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> ✓ </u> |
| c. Subsurface water quality | _____ | _____ | <u> ✓ </u> |
| d. Wildlife numbers | _____ | <u> ✓ </u> | _____ |
| e. Vegetation growth | _____ | _____ | <u> ✓ </u> |
| f. Aesthetics, view | _____ | _____ | <u> ✓ </u> |
| g. Land sinkage | _____ | <u> ✓ </u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes ✓

| | | How Much Area? |
|-----------------------------|--------------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | <u> ✓ </u> | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Robert Mandelke

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1) Are you:

- a. A farmer/rancher? ✓
- b. A homeowner?
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|---------------|---------------|--------------------|
| a. Air quality | <u>✓</u> | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| c. Subsurface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| d. Wildlife numbers | <u> </u> | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u>✓</u> |
| g. Land sinkage | <u> </u> | <u> </u> | <u> </u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know
No ✓ The owner is Gas Magnate

5) Has any of your property been effected by any pollution from abandoned mines?

No
Yes ✓:

| | | How Much Area? |
|-----------------------------|---------------|----------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u>✓</u> | <u> </u> |
| c. Subsurface water quality | <u>✓</u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u>✓</u> | <u> </u> |
| g. Land sinkage | <u> </u> | <u> </u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield
b. Reduced livestock yield ✓
c. Reduced land value ✓
d. Reduced home value
e. Personal Health or safety ✓
f. Other, (Specify)

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
b. Worse off
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------|---------------|
| a. Plugging the mine openings | <u>✓</u> | <u> </u> |
| b. Removing the mine waste piles | <u>✓</u> | <u> </u> |
| c. Treating the water to clear the streams | <u>✓</u> | <u> </u> |
| d. Drilling wells to stop or reduce water flows | <u> </u> | <u>✗</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | <u> </u> |
| f. Using the waste piles on roads | <u>✓</u> | <u> </u> |
| g. Other, (Specify) <u> </u> | <u> </u> | <u> </u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mine openings are dangerous
to children.

Your Name:

William R York

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? X
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|---------------|---------------|--------------------|
| a. Air quality | <u> </u> | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u> </u> | <u>X</u> |
| c. Subsurface water quality | <u> </u> | <u> </u> | <u>X</u> |
| d. Wildlife numbers | <u> </u> | <u> </u> | <u>X</u> |
| e. Vegetation growth | <u> </u> | <u>X</u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u>X</u> |
| g. Land sinkage | <u> </u> | <u> </u> | <u>X</u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes No X

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know

No X The owner is Rose Magister

5) Has any of your property been effected by any pollution from abandoned mines?

No
Yes X:

- a. Air quality
b. Surface water quality X
c. Subsurface water quality X
d. Wildlife numbers
e. Vegetation growth
f. Aesthetics, view
g. Land sinkage
h. Other, (Specify)

How Much Area?

1/4 mi stream
in area near stream

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes X:

About How
Many Annual Dollars?

a. Reduced crop yield

b. Reduced livestock yield

c. Reduced land value

d. Reduced home value

e. Personal Health or safety

f. Other, (Specify)

X

X

X

X

X

X

?

?

?

?

?

?

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off

b. Worse off

c. About the Same

?

?

X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

a. Plugging the mine openings

b. Removing the mine waste piles

c. Treating the water to clear the streams

d. Drilling wells to stop or reduce water flows

e. Reseeding after cleanup of waste piles

f. Using the waste piles on roads

g. Other, (Specify)

Yes

No

X

X

X

X

X

X

X

X

?

?

?

?

?

?

?

?

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes

b. No

X

?

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

there is a great danger of youngsters exposing
old mine openings & sink holes

Your Name:

Donald A. Yunk

Sand Coulee

Great Falls



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1) Are you:

- a. A farmer/rancher? Yes
b. A homeowner? Yes
c. A landowner? Yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|--|------|--------------|--------------------|
| a. Air quality | | | <u>X</u> |
| b. Surface water quality | | | <u>X</u> |
| c. Subsurface water quality | | | <u>X</u> |
| d. Wildlife numbers | | | <u>X</u> |
| e. Vegetation growth | | | <u>X</u> |
| f. Aesthetics, view | | | <u>X</u> |
| g. Land sinkage | | <u>X</u> | |
| h. Other (specify) <u>Toxic water</u> | | | <u>X</u> |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is neighbor

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|--|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) <u>surrounding area</u> | <u>+</u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes X:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

animal health/safety X

veterinary
kills-polluted 300
water ingestion

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>treat toxic water</u> | <u>X</u> | _____ |
| (most important) | | |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
- b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mines in question have been abandoned
for some time now since the last coal boom.
It would be very important to get the in-
put of everybody involved before reclaiming
these abandoned coal mines and resulting pollution.
Garbage dump is also polluting water.

Your Name:

Garold Schwanzenberger

Sand Coulee

Great Falls

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is ?

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In this area a mine opening or 2 were closed and the water finds another route and has or may ruin water wells

Your Name: M. J. Luoma Jr.

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | <u>X</u> | | |
| d. Wildlife numbers | | <u>X</u> | |
| e. Vegetation growth | | <u>X</u> | |
| f. Aesthetics, view | | <u>X</u> | |
| g. Land sinkage | <u>X</u> | | |
| h. Other (specify) | | | |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Bernice T. Deal

404-254-1115
Great Falls, MT 59404

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____?

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

E. M. Joaffer

Stock #

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1) Are you:

- a. A farmer/rancher? ✓
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is U.S. Government

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Anna Leah Dolera

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | _____ | <u>X</u> |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | <u>X</u> | _____ | _____ |
| d. Wildlife numbers | <u>X</u> | _____ | _____ |
| e. Vegetation growth | <u>X</u> | _____ | _____ |
| f. Aesthetics, view | <u>X</u> | _____ | _____ |
| g. Land sinkage | <u>X</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No X The owner is Robert Classner

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | <u>None</u> |
| b. Surface water quality | <u>11</u> |
| c. Subsurface water quality | <u>11</u> |
| d. Wildlife numbers | <u>11</u> |
| e. Vegetation growth | <u>11</u> |
| f. Aesthetics, view | <u>11</u> |
| g. Land sinkage | <u>11</u> |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) | _____ | <u>X</u> |

Govt-sponsored anything means higher taxes & unregulated controls.

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The coal from this area is probably the
lowest grade lignite on this earth. I am
for a free enterprise system 100% but Govt
funding projects with tax dollars create further
burdens on the taxpayers & or borrowers

Your Name: X Ruby Parenteau

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? yes
 c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | <u>P</u> | _____ |
| d. Wildlife numbers | <u>X</u> | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>X</u> |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | <u>P</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think it would be nice to clean up around the old
mines + seed them so the dust wouldn't blow. I think
using the waste piles for roads is a good idea, and I think
it would be a waste of money to try plugging the mine
openings to keep the mine water from seeping out.

Your Name: Pearl M. Cantrell

I. BELT AREA

SOCIOECONOMICS RELATIVE TO ABANDONED MINES

A. Study

1. Literature Search

a. Document Review

Early in the project and during the course of work numerous literature sources were obtained and reviewed. There does not exist a great amount of information pertaining to the socioeconomic conditions of the Belt area. Sources of most help were generally those that dealt with Cascade County in general, focusing within those documents occasionally on the smaller communities such as Belt. One such source that contained helpful information was the "Cascade County Development Plan" which was developed in 1979 by the Cascade County Planning staff. A copy of this document is available at the Great Falls City Library and at the offices of the Cascade County Planning Board. Another very good publication outlining the history of Belt is a locally produced book, "The Belt History Book" which is available at area libraries.

Other information that was reviewed and was helpful in the socioeconomic analysis of the Belt area included information from the U.S. Census Bureau relative to population, employment and income and other miscellaneous papers and communications and interviews with local officials and state and federal offices and agencies. Inter-

views were held with residents of the area, both homeowners and landowners, farmers and ranchers. Interviews were also conducted with officials of Cascade County's Extension Office, the local Soil Conservation Office, the Cascade County Treasurer's office, the Assessors office, and Classification and Appraisal offices. In addition, information was obtained from knowledgeable area appraisers, realtors and land surveyors.

b. A Brief Historical Perspective of the Economy of the Area

The incorporated community of Belt is located twenty miles southeast of Great Falls just north of U.S. Highway 87. Belt is one of a number of outlying communities near to Great Falls which is influenced to a large extent by socioeconomic trends in Great Falls.

Mining and agriculture have been the dominant forces in the development of the economy of the Belt region. Major coal mining operations took place in this part of Cascade County early in its history. The town was incorporated in 1907 and was originally a mining town. Early on in the history of this part of Montana, Belt had a larger concentration of population than did Great Falls.

After the mining played out, cattle and livestock and crop production became the primary economic base for the Belt area. In the late 1880's railroad service first connected the Great Falls area to other parts of the United States. At this time the Great Northern Railroad was in the planning stages and when it was subsequently

built, Belt was located on the main line. This trackage is now the property of Burlington Northern Railroad.

In the late 1880's and early 1900's coal mining was the dominant social and economic force that exerted itself in this area. The primary use of the coal produced from this region was as fuel for railroad locomotives. The production life of most of these mines ended in the mid-1940's as the general United States economy was shifting from energy supplied by coal to energy supplied by liquid petroleum products.

As mentioned earlier, the population of this area was at its peak in the coal mining days in the early 1900's. At the close of most of the coal mining operations, the population of the area dropped substantially and only in recent years has been relatively steady. In the 1960 census of 20 years ago the area had a recorded population of 1,500 in the entire Belt division, 757 inside the city limits of Belt. In 1970 the Belt division had 1,406 residents and 656 inside the city. The 1980 census counts indicates some growth in both the city of Belt and in its census division. A total of 1,626 persons now reside in the Belt division and 825 inside the city. This slight growth in the last ten years is attributed to migration out of the Great Falls area to the outlying and more suburban communities.

A substantial portion of the current Belt population are retired residents. The majority of the remaining population are families who

reside in the Belt area but commute to work in Great Falls or nearby localities. Some population projections have been made of the area and these indicate a growth trend in the 1980's. It is unlikely that any growth trend would be substantial for Belt unless there is a resurgence in the mining of coal in the area. There is at least a possibility of this being the case since recently Montana Power Company has announced the future construction of a coal-fired power plant northeast of Great Falls which could utilize coal from the Belt area. Without any new coal mining activity in the region, however, the Belt area population would likely only grow slightly in the near future.

2. Socioeconomic Analysis

a. Historic Land Use Patterns

Considering an area approximately three miles by eight miles encompassing the community of Belt and the additional small community of Armington, the early land use prior to coal mining activity was agricultural rangeland. Since the early 1900's, an increase in farming has changed the landscape to considerable cropped areas supplanting that which previously was in open range. The terrain in this general vicinity is characterized by flatlands to rolling hills, broken frequently by coulees and ravines slicing down to the creek bottom. The community of Belt is situated on Belt Creek which flows from the Little Belt Mountains to the Missouri River just north of the community. The ravines and rough breaks are more prevalent in the vicinity of Belt than good flat farmable cropland.

b. Acreage and Locations of Mining and Land Use

In the area under study in this project beginning about two miles north of Belt and extending to Belt and then south two additional miles, several abandoned mine sites have been identified. To identify the area and specifically pinpoint these mine sites, aerial photography completed in 1977 was obtained from the U.S. Agricultural Stabilization and Conservation Service. A collage of the photographs was prepared so that the entire area could be viewed in one picture. This photo is an appendix to the report. The approximate scale of the photography is eight inches to the mile. This particular photograph is referenced frequently throughout the report and is considered an integral part of the understanding of the analysis.

In this general area a total of three abandoned mine sites were identified which consistently discharge acid mine water into Belt Creek. On the aerial photograph an additional five abandoned mine sites are identified. These adit locations and their identification are based on work done by Hydrometrics Inc. and others who have documented abandoned mine sites in the region.

On the aerial photography the non-discharging mine sites are identified with a yellow dot, while the mine sites discharging acid water are identified with a red dot. The City of Belt and the community of Armington are also identified. Mine site numbers corresponding to numbers assigned by Hydrometrics in their evaluation of mine water wastes are assigned to each of the three mines presently

discharging waste water. Two large waste dumps for mine tailings are immediately to the south of the community of Belt, these are identified with yellow dots as well on this aerial photograph. The abandoned mine sites in the Belt area are visible from the community of Belt looking to the east and to the west. These mine adits are located where coal bearing formations outcrop at points where the terrain drops steeply from the flatlands down into the coulees and ravines leading down to the valley floor.

An approximation was made utilizing the aerial photography to arrive at the total number of acres that have been committed to mining land use in this Belt area. The results of this measurement were that approximately 40 acres in this vicinity are directly impacted by residual mining land uses.

c. Present Land Use In the Study Area

There are three general types of land use in the area under evaluation around Belt. First of all there are the concentrations of population in the communities of Belt and Armington. Second, there is the agricultural land use of cropland, mostly dryland farmed, and thirdly, there is the agricultural land use of open grazing and woodland, the woodlands being located generally in the breaks. The one other significant use of land in this area would be that of roads, highways, and railroads. U.S. Highway 87 and U.S. Highway 89 are significant land users in this region of Cascade County.

Considering the region to be three miles in an east/west direction by eight miles in a north/south direction with the community of Belt in the more northerly portion of that land area, that would equate to about 15,000 acres. Of this amount of acreage, approximately 240 acres are consumed by the concentrations of population and housing. These areas are termed built-up areas. In this locality of 15,000 acres approximately 2,600 acres are in cropland with the remaining 12,000 acres in rangeland or open country including that of the breaks. The cropland equates to 17% of the total in this selected area with open rangeland or grazing land consuming 80% and the communities consuming 3% of the area.

d. The Relationship of Populated Areas to Abandoned Mine Sites

After examining the aerial photography and the dot pattern of identified mine locations, it becomes clear that the significant abandoned mine sites and related mining land uses are concentrated immediately to the south of the community of Belt. Since the community had its beginnings as a mining town, its only natural that it's located immediately adjacent to residual mine land uses.

Each day most of the population of the communities of Belt and the much smaller community of Armington pass by or live right along side the effects of abandoned coal mine activity. Virtually all of the people residing at Belt are affected by abandoned coal mine sites or the residual land uses resulting from coal mining activity.

e. Likely Land Use If Mine Pollution Had Not Occurred

To assume that no mine pollution occurred is to assume that there were no coal mines developed in the area. Under this set of circumstances of no coal mine development in this area, it is likely that the community of Belt would at least be very much smaller than it is today or perhaps might never have been a community at all. Had that been the case, of course there would be little or no land devoted to present uses. Fewer roads, less land in housing and community built-up areas, and no land devoted to mining uses. Had the coal in the area not been mined, there would have still been the natural outcroppings of coal throughout the area. However, in this case, acid mine drainage pollution of the area creeks and streams and the degradation of hillsides and the visual pollution associated with waste dumps would not have been a problem any one would have to deal with.

If mining practices in the early days of that industry could have eliminated the stream and ground pollutions then certainly the community would be there as it is today and perhaps people would reside there in greater numbers simply because the area would be more aesthetically pleasing and would offer a more attractive setting for persons wanting to live outside of the urban area of Great Falls. The number of acres in the Belt vicinity that are now damaged by mine pollution would be in a natural state with grazing land on the hillsides and no stream degradation as Belt Creek winds its way through the community.

f. Cumulative Economic Return

In deriving a cumulative economic return foregone in this Belt region due to past mining activities that took agricultural and other lands out of production, the base of 40 acres of impacted land previously identified was used. This 40 acres is the acreage measured from the aerial photography in the 24-square-mile area previously identified. There may be additional damage related to mine activity in the area that is outside of the land scope considered in this analysis. Of the 40 acres, 70% is situated such that it would be termed grazing or open land, and 30% of the 40 acres could be considered adjacent to the community of Belt and thus open and available for expansion as a part of the town for built-up area.

The derivation of the value foregone and rangeland was based upon a timeframe of 40 years (1940-1980) of production. The productivity per acre of rangeland was determined based upon an historic analysis of rangeland prices and lease rates. With 28 acres of additional hillside grazing accumulated over the past 40 years this would amount to a total return to the land holder of \$20,549 of direct cumulative impact.

The accumulated economic return related to the foregone sales of land for urban purposes is also based on a 40 year timeframe. Using a total of 12 acres immediately adjacent to the community of Belt and assuming an average land price of \$1,000 an acre, a return rate of 10% to the seller and an interest rate of 5% on the net proceeds, cumulative return not realized would amount to \$15,184.

Thus, the overall net return not realized in this small land area adjacent to Belt due to abandoned mine sites then totals \$35,733.

g. Property Values

In an effort to arrive at a reasonable determination of property values in this Belt area coal mining effected region and other portions of Cascade County, two approaches were used. The first approach was to consider the comments and results of the survey taken of Belt area residents and second was to consider interviews with real estate personnel and appraisal personnel familiar with the Cascade County localities.

It was determined through interviews with realtors and real estate appraisers with experience with both residential and farmland appraising in and around the Great Falls area that generally there is no appreciable difference in value of either residential properties or farm properties resulting directly from pollution or perceived pollution from the abandoned coal mine sites. In the course of our conversations with these knowledgeable people, most acknowledged that it would be logical to assume some valuation difference with the values expected to be lower in the Belt area due to presence of the abandoned mine sites. However, recent land sales and past experience did not indicate that there was any significant valuation difference. There were comments that land sales in that area had slowed considerably recently. However, this is primarily attributable to the general slowing in interest in outlying areas simply because of the expense of

energy and the cost associated with getting to and from work and homes in outlying areas.

The principal source of information for land values was the comments and indications of residents of the Belt area itself. This source of information is likely a bit more valuable in assessing economic impacts related to property values because it is the property owners themselves who will largely determine sales prices of any property on the market. In the Belt area 24% of the respondents to the survey questionnaire indicated that their property had been effected in some way by pollution from the abandoned mines. However, only 10% responding indicated that there was any direct economic loss that they had incurred from the abandoned mine locations in the area.

An additional survey question that bears directly on the assessment of valuation change in this area on property deals with whether or not the people think they are either better off, worse off, or about the same relative to living conditions when compared to others in rural Cascade County. Significant in the Belt area is the fact that only 3% of the respondents indicated they thought they were worse off. The remaining 97% thought they were either better off or about the same as others throughout the county. It's clear that the residents of this coal mining impacted area as represented by those responding to the survey, are and have experienced some degree of valuation loss as a result of the mines. However, outside evidence as

well as the opinions of the residents who are in Belt, indicated it to be a small problem regardless of the difference.

To arrive at the calculation of the property value difference regarding farmland in the area we go back to our area of 24-square-miles where 2,600 acres are in cropland and 12,000 acres are in open range or grazing land. Our assessment using land prices of 1980 is that cropland in Cascade County sells for about \$614 an acre while grazing land sells for an average of \$292 an acre. Based upon our conversations and interviews with appraisers we determined that cropland in the area of coal mine activity would likely suffer a 5% value penalty while grazing lands would suffer a slightly lesser penalty in property devaluation of 2%. Further assuming as the survey results indicated that 24% of the lands in this area were affected in some way by coal mining pollution, the resulting calculation indicates that currently agricultural land in this selected area would be valued \$36,624 less than a comparable land area situated elsewhere in Cascade County that had no coal mine pollution impact.

In determining the residential property value of impacts, we begin with the fact that in 1980 there are 620 housing units in the general vicinity of Belt or the Belt valley. Again using the survey results that 24% of these properties are in some way effected by mine pollution we have an effected housing total of 151 units. Several respondents to the survey indicated substantial reduction in home value resulting from the nearby mines and their associated pollution.

It was our assessment based upon interviews with area homeowners that we could assign an average \$4,000 per residential property of reduced valuation. Assuming then that this \$4,000 of reduced property value would be characteristic throughout the area this would equate to a 1980 valuation suppression in this Belt area of \$604,000.

h. Inhabitant Assessment of Social Well-Being

One of the first steps in the study effort was to identify the property owners of land in the Belt region. Once we accomplished this we had a base name and address list which we could use to send out surveys of area residents. This was done for the community of Belt and Belt valley landowners. The overall rate of return or response rate to this residential survey was 37% which is considered relatively high for a survey of this nature. A copy of that two page survey is included here with the final determination by percentages of responses received.

BELT-FINAL RESULTS

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

| | | |
|----|-------------------|------------|
| a. | A farmer/rancher? | <u>9%</u> |
| b. | A homeowner? | <u>63%</u> |
| c. | A landowner? | <u>28%</u> |

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|------------|--------------|--------------------|
| a. Air quality | <u>70%</u> | <u>23%</u> | <u>7%</u> |
| b. Surface water quality | <u>6%</u> | <u>42%</u> | <u>52%</u> |
| c. Subsurface water quality | <u>25%</u> | <u>34%</u> | <u>41%</u> |
| d. Wildlife numbers | <u>57%</u> | <u>37%</u> | <u>6%</u> |
| e. Vegetation growth | <u>32%</u> | <u>47%</u> | <u>21%</u> |
| f. Aesthetics, view | <u>18%</u> | <u>35%</u> | <u>47%</u> |
| g. Land sinkage | <u>52%</u> | <u>40%</u> | <u>8%</u> |
| h. Other (specify) | | | |

- 3) Is there a mine site on your property? Yes 9% No 91%

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% 13% Yes, Partially 6% Don't know 46%
 No 35% The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No 76%
 Yes 24% :

| | | How Much Area? |
|-----------------------------|------------|-----------------|
| a. Air quality | <u>5%</u> | <u>--</u> |
| b. Surface water quality | <u>25%</u> | <u>43.5 ac.</u> |
| c. Subsurface water quality | <u>23%</u> | <u>--</u> |
| d. Wildlife numbers | <u>3%</u> | <u>--</u> |
| e. Vegetation growth | <u>10%</u> | <u>40 ac.</u> |
| f. Aesthetics, view | <u>20%</u> | <u>45 ac.</u> |
| g. Land sinkage | <u>10%</u> | <u>5 ac.</u> |
| h. Other, (Specify) | | |
| Safety | <u>4%</u> | <u>--</u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No 90%
 Yes 10% :

| | | About How Many Annual Dollars? |
|------------------------------|------------|--------------------------------|
| a. Reduced crop yield | <u>0</u> | <u>0</u> |
| b. Reduced livestock yield | <u>0</u> | <u>0</u> |
| c. Reduced land value | <u>17%</u> | <u>?</u> |
| d. Reduced home value | <u>33%</u> | <u>?</u> |
| e. Personal Health or safety | <u>17%</u> | <u>?</u> |
| f. Other, (Specify) | | |
| Loss of well | <u>33%</u> | <u>\$2,000</u> |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?
- | | |
|-------------------|------------|
| a. Better off | <u>33%</u> |
| b. Worse off | <u>3%</u> |
| c. About the Same | <u>64%</u> |

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|------------|------------|
| a. Plugging the mine openings | <u>81%</u> | <u>19%</u> |
| b. Removing the mine waste piles | <u>75%</u> | <u>25%</u> |
| c. Treating the water to clear the streams | <u>86%</u> | <u>14%</u> |
| d. Drilling wells to stop or reduce water flows | <u>56%</u> | <u>44%</u> |
| e. Reseeding after cleanup of waste piles | <u>85%</u> | <u>15%</u> |
| f. Using the waste piles on roads | <u>87%</u> | <u>13%</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?
- a. Yes 65% b. No 35%

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Specific mention will be made of the highlights of the tabulated survey questionnaires. In response to question No. 1 only 9% were farmer/ranchers, most of the persons responding were homeowners.

In question No. 2, 70% answered that air quality was not a pollution problem resulting from any of the abandoned mine sites and conversely the highest number of responses as to what was the most significant type of pollution was surface water quality at 52%. The least significant issues in addition to air quality were wildlife numbers and land subsidence or sinkage. The most significant general pollution problems in addition to that of surface water quality were aesthetics or view and subsurface water quality.

Question No. 3 found that only 9% of those responding had a mine site on their property and question No. 4 found that 35% of the people surveyed did not own the mineral rights beneath their property and another 46% did not know who owned the mineral rights.

In question No.5, 76% of the respondents indicated that none of their property had been effected by any pollution from abandoned coal mines. Of the remainder who did indicate that they experienced some pollution the types of pollution most frequently mentioned were surface water quality, subsurface water quality, and aesthetics or view. The total land area mentioned by these people who had experienced pollution damage was small, the largest land area affected being that of surface water quality at an estimated 43½ acres.

Question No. 6 asked specifically whether or not they had any economic loss from any type of pollution relative to the abandoned mines. A very high 90% indicated that they had no economic loss.

For the other 10% indicating some economic damage, reduced home value and damage to wells were the most frequently mentioned type of pollution loss. Reduced land values and personal health or safety was mentioned by a substantial number of those experiencing economic loss.

In question No. 7 people had the opportunity to indicate whether or not they thought they were better off, worse off, or about the same when compared to others who lived in rural Cascade County. 33% felt they were better off, only 3% felt they were worse off, and 64% said they were about the same.

Question No. 8 attempted to determine the thoughts of the residents on what they would like to see done regarding mitigating measures relative to mine pollution. All of the suggested mitigating measures received a relatively high percentage of "yes" answers. The highest was using the waste piles on roads. This was marked high because currently the Belt area does use cinders from the waste piles to spread on slick roads in bad weather driving conditions. Most frequently mentioned by the survey respondents as something they would not like to see done was the drilling of wells to stop or reduce water flows. 44% of the people responding indicated that they would be against that type of action. 25% said they would not want to see the removing the mine waste piles.

In question No. 9 we found that 65% of the respondents would be willing to participate in mine site reclamation projects if they had some input regarding the project.

Question No. 10 asks for comments or general observations about the issues of reclaiming local abandoned mine sites. An example of the significant comments are as follows:

1. I think the old mines would make perfect bomb shelters and Great Falls officials ought to use them in that manner.
2. Mine water has Belt Creek red and yellow in places. In some areas reclamation would be a waste of money, in others a necessity.
3. The mine water flowing onto my property is so bad a science class from Great Falls uses it for testing.
4. I would like to see any work started and finished without a lot of unnecessary fooling around and money spending.
5. Helena Air and Water Quality Bureau never answers my inquiries. If it wasn't for the spring runoff, Belt Creek below the town would be one of the worst polluted streams in Montana.
6. Mitigating measures should be the responsibility of a private contractor, not the government.
7. My major concern is the safety of children playing in the area of abandoned mines.
8. Belt Creek as it runs through town is an eye sore.

9. I believe there is much talk about this pollution but very little understanding. Surface water quality appeared worse years ago than at the present.
10. It would certainly be an improvement to have such sites cleaned up, however, it shouldn't be done with borrowed tax funds.
11. I feel that a project to try and clean up the water would make a great improvement, especially for wildlife and fish and also relieve home repairs on water lines, heaters, etc.
12. The mines in this area don't seem to be too much of a problem except for water flowing from them. I'd hate to see them plugged and have never heard of anyone being injured from them.
13. I'm not as concerned about the old mines as about new mines. The streams are cleaner now and vegetation has regrown since the last mining was done in the area.
14. We have one mine in particular which discharges water into Belt Creek which infiltrates into our local water well.
15. Drilling wells to reduce water flows would probably damage subsurface water quality.
16. Use of the waste piles on roads would be a great idea but further costs would be of no value just for the sake of enhancing the beauty of the landscape.

The questionnaires are an appendix to this report and are available for further examination and analyzation.

i. Business Dollar Impact to Area Communities In Great Falls

The impact on business receipts to Belt and to the nearby regional business center in Great Falls is directly proportional to the loss of revenues that can be attributed to the mine pollutions. In this instance as previously described, these cumulative losses are all agricultural related and were previously calculated at \$35,733. For this area that is very small economic loss over the time span we are considering. Using 1975 statistics on the income generation of basic and non-basic industries in Cascade County an income multiplier was developed. The results of that derivation indicated a 2.89 multiplier. In other words for every dollar of basic income earned, secondary businesses could expect to see it turned an additional 2.89 times in Cascade County. Applying this income multiplier to the cumulative agricultural productivity lost would amount to \$103,268. This amount of business income loss would be spread across the many businesses in Great Falls and in Belt. It is a relatively minor adverse impact which results from area coal mine residual pollution.

B. MASTER PLAN

1. Effects on Local Population

a. The Perception of Social and Quality of Life Issues That
Could Change With Mine Reclamation Efforts

Once again using the results of the personal survey to identify the perception of local residents and how their quality of life might change with reclamation efforts, we find a surprising large number of residents basically satisfied with the current situation. It's true

that 24% of the respondents in the survey in Belt indicated they had suffered pollution to their property from abandoned mine sites and 10% indicated that they had definitely experienced some economic loss. From a quality of life point of view, only 3% of the residents responding to the survey indicated they felt they were worse off being in Belt or in the Belt area than other residents of rural Cascade County. Therefore, the conclusion we must draw is that while many of the people in the area believe that certain reclamation efforts would enhance their local quality of life, it certainly can't be described as a paramount social issue. In fact, it can be best described as a minor problem.

Based on contacts in the area and the surveys that were returned reclamation efforts should be directed at improving the surface water quality, most particularly Belt Creek, as it winds through the community. The residents appear to want to continue to use the waste piles on roads as necessary and they would like to see plugging of the mine openings and reseeding after clean-up.

Changes to the local landscape as a result of reclamation efforts would serve to improve real estate values in Belt and over an extended period of time would increase the revenues from agricultural lands. Likely an important benefit as any, is the reduction of the risk of personal health or safety.

b. The Estimate of Economic Effects of Reclamation

Immediate economic impacts to the Belt area resulting from a broad reclamation effort of the polluted areas would be seen in three separate categories. First, agricultural income improvements; secondly, business improvements in Belt and Great Falls; and thirdly, from residential property value appreciation.

Based on our previous assessments on the number of acres that are being devalued in one degree or another because of mine pollution we arrive at the following figures. Annual farm and ranch income in this area would increase by approximately \$812 a year, all from grazing fees. No cropland was considered damaged from mine pollution so considering just this rangeland income and a 20 year timeframe the present value of that income would be \$7,972. That present value is calculated for the term of 20 years and at a discount rate of 8%.

Using that present value of agricultural income and the 2.89 multiplier, the present value of business income over the 20 year timeframe due to reclamation improvements in this area could amount to \$23,039, a relatively small sum. And lastly the appreciation in homeowner property values as a result of reclamation efforts could be as high as \$604,000. This figure is the result of assuming an appreciation in property values of \$4,000 for 151 homeowners.

The total then in terms of present value for reclamation efforts in the Belt area is \$635,011. This calculation of the economic impact

and present dollar terms of an improvement for twenty years is a generalized view of positive financial benefits that could accrue to the region with a broad reclamation improvement plan. The value of specific improvements to single homeowner or landowners circumstance can be much more accurately calculated prior to proposing reclamation improvements. Such improvements are underway in several locations in the Belt area.

Soil Conservation Service has the Rural Abandoned Mine Program which addresses point specific pollution and its mitigation or reclamation. They have a project underway currently in the Belt area on the James Milos ranch. A development of cost-benefit analysis for a point specific project is recommended and is in most cases required before reclamation funds can be obligated.

2. Ownership Inventory

a. Ownership Descriptions

A land ownership identification coverage in the Belt area of Cascade County was performed. The area includes the following sections. In Township 19 North, Range 6 East, Sections 23, 25, 26, and 36. Research was conducted in the Cascade County Courthouse in the office of the Assessor, the Treasurer, and the Clerk and Recorder to determine the owners name, address and the legal description of the property involved. This information is a part of the appendix to this report and is available for further use by interested parties. Specific detailed maps of the property locations were not

reproduced as they are updated continuously and are readily available in the office of the Assessor in the Cascade County Courthouse.

b. Property Owners That Would Be Willing To Participate In
Future Reclamation Projects

The residential survey of landowner in the Belt area indicated that 65% of the property owners would be willing to participate in mine sight reclamation projects if they had an input regarding the project. In some cases the property owner did not indicate on the survey form his name and address and therefore where some property owners suggested that they would be willing to participate, their names are unavailable.

From the survey questionnaires those who identified themselves as being willing to participate in reclamation projects are here listed alphabetically:

June Berg
Edith M. Blain
John P. Brutosky
Kenneth Burley
Karol Carlson
John C. Castner
Gary and Judy Crowder
Edward J. Elam, Sr.
Michael Gamble
Roy E. Goodman
Gary E. Gray
Bill Hendrickson

Leo M. Hertz
D. Higen
Dan Hubley
Phillip Kleffner
Russell Leland
Kenneth Maki
James Milos
W. L. Murphy
William Neill
Danell O'Connell
Dennis J. O'Leary
Patrick E. Pierson
Charles F. Remington
Mel W. Rennick
James C. Rubino
Mac L. Savage
Michael Sechena
W. C. Sederholm
Edward Spragg
June Stewart
Lenore Stokes
Maxine Tender
Thomas A. Thompson
Leroy Thayer
Edna Urich
Russel and Joanne Voytoski
James Warehime
June D. Werner
Martin E. Werner
Jim Whitaker
Burt Williamson
P. M. Wraught
Russell E. Zanto
Michael R. Zuhoski

There definitely are other property owners in the Belt area who would be interested in participating in the mine site reclamation. In many comments on the surveys and in conversations with the people in the area, they would like public meetings and public education of plans and possibilities towards reclamation efforts. At such public presentations, certainly a more comprehensive list of interested property owners could be developed. The property owners mentioned above would be reasonable and logical people to begin with in exploring the possibilities of alternative forms of mine site reclamation.

BELT AREA
T19N R6E, Sec. 23

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|---|---|
| Cynthia L. Bedker | | |
| City of Belt | | |
| Charles L. & Alice M. Berg | Belt, Montana 59412 | In SWSE MK 4A |
| Albert E. Castner | Belt, Montana 59412 | In SWSE MK 4 In SWSE MK 4C In SWNE By M & B MK 3A In SWNE, SENW, NWSE Ls 20.75 |
| John C. Castner et al | Rte. 1, Box 1 Belt, Montana 59412 | In SENW MK 12 |
| East Belt Coal Co. | | |
| J. Michael & Glenda Fleming | Belt, Montana 59412 | In S/2N/2 MK 14G |
| Gary L. & Michele H. Fliginger | 1917 15 Ave. S. Great Falls, Montana 59405 | In S/2N/2 MK 14H |
| Jack W. Gamble | Box 47 Belt, Montana 59412 | In SE/4 MK 6A |
| Gary W. & Floye M. Garrison | Box 453 Belt, Montana 59412 | In NESW MK 11 |
| Delilah M. Haney | Rt. 1, Box 3 Belt, Montana 59412 | In SENW MK 14I |

BELT AREA
T19N R6E, Sec. 23
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|--------------------------------|--------------------------|
| Jerry T. Hayer et al | Belt, Montana 59412 | |
| Arthur A. & Lula J. Henderson | Box 37 Belt, Montana 59412 | In SWSE & SESW MK 16 |
| Leo M & Judith C. Hertz | Box 523 Belt, Montana 59412 | In SWNE & SENW MK 14B |
| Donald G. & Marcia J. Hubber | Terry, Montana 59349 | NWNE, NENW Ls 16.19 |
| Earl E. & Phyllis J. Jakes | Belt, Montana 59412 | In SWSE MK 17 |
| Wilmae Keaster | Belt, Montana 59412 | W/2W/2, In NESW W/RR |
| Wayne V. & Ruth E. Kelly | Belt, Montana 59412 | In NWSE MK 2 |
| Earl B. & Ethel M. Kennedy | Box 233 Belt, Montana 59412 | In SWNE MK 4D |
| James R. Koontz et al | Belt, Montana 59412 | |
| James W. & Joyce C. Lake | Box 265 Belt, Montana 59412 | In SWSE MK 4I |
| Charles M. & Kari M. Lindeman | Box 259 Belt, Montana 59412 | In W/2SE MK 4E |

BELT AREA
T19N R6E, Sec. 23
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|---|--------------------------|
| John R. & Shirley C. Marn | Box 201 Belt, Montana 59412 | In NWNE MK 7B |
| Gordon D. & Sharlene McMillan | Star Rte. Belt, Montana 59412 | In NWSE MK 4H |
| Joseph Milos et al | Box 142 Belt, Montana 59412 | E/2SE Ls 18.11 |
| Robert M. Milos et al | Belt, Montana 59412 | |
| Robert M. & James E. Milos | Belt, Montana 59412 | NWNE |
| Vernon Muretta | Belt, Montana 59412 | In W/2SE MK 4L |
| Herman & Mildred Nottingham | Box 533 Belt, Montana 59412 | In SENW MK 14A |
| Darrell F. & Alice M. O'Connell | Belt, Montana 59412 | In SWSE MK 5 |
| Seymor H. & Dorothy E. Ramberg | 4228 Jadestone Dr. Las Vegas, Nevada 89108 | In NESW MK 16B |
| John & Pearl Ryffel | Belt, Montana 59412 | In SENW MK 14C |
| School District #29 | | |
| Dale J. & Sherry K. Schott | Belt, Montana 59412 | In NENW MK 7A |

BELT AREA
T19N R6E, Sec. 23
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--------------------------------|---------------------------------|
| Leroy Thayer | Box 296 Belt, Montana 59412 | In SWSE MK 4B |
| Harvey E. & Lynn R. Thompson | Belt, Montana 59412 | In W/2SE MK 4P |
| Paul & Emy Thompson | Belt, Montana 59412 | In SWSE MK 4N |
| Thomas A. Thompson | Box 265 Belt, Montana 59412 | In NENESW MK 16A |
| Harry L. & Vicki M. Throckmorton | Belt, Montana 59412 | In SENW MK 14D |
| Gerald E. & Mavis M. Tuman | Belt, Montana 59412 | In SWSE MK 4R |
| Bernard C. & Lula B. Wiskerchin | Box 98 Belt, Montana 59412 | In NESW MK 13 |
| Edward M. & Aimee L. Wood | Box 273 Belt, Montana 59412 | |
| John I. & Bonnie J. Yurke | Belt, Montana 59412 | In W/2SE MK 4F In NWSE MK 4G |

BELT AREA
T19N R6E, Sec. 25

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------|---|--|
| Virgil N. & Viola H. Hanson | Star Rte., Box 3 Belt, Montana 59412 | Tract so. of Belt Creek in the SWSW less than 2 ac. |
| James E. Milos, Trustee | Belt, Montana 59412 | NENE |
| Robert M. & James E. Milos | Belt, Montana 59412 | NW $\frac{1}{4}$, W2NE, W2SE, E $\frac{1}{2}$ SW, NWSW |
| Clinton Rayne Pilgeram | Box 67 East Glacier Park, Montana 59434 | E $\frac{1}{2}$ SE, SENE |
| W. C. & Theola Sederholm | 1401 1 St. S. Great Falls, Montana 59405 | SWSW |

BELT AREA
T19N R6E, Sec. 26
 Belt Original

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|---|--|
| Cruz N. & Josephine M. Almanza | Box 5 Belt, Montana 59412 | Blk. 13, Lots 30, 31, 32 |
| Albert B. & Louise P. Audet | 810 3 Ave. S. Great Falls, Montana 59405 | Blk. 14, Lot 3 |
| Larry J. & Dianne P. Baldwin | Belt, Montana 59412 | Blk. 13, Lots 23 & 24 |
| City of Belt | | Blk. 1, Lot 6-S20' & Lots 7-N2½' |
| | | Blk. 3, Lot 13 |
| | | Blk. 8, Lots 7, 8, 9 |
| | | Blk. 12, Lot 13-E3/5, 14, 15, 16 |
| | | Blk. 13, Lots 41, 42 |
| | | Blk. 14, Lot 9C |
| | | Blk. 15, Center 1/4, Blk. 16, Lot 1 |
| | | Blk. C, Lot 1 |
| The Town of Belt | | Blk. C, Lot 7 |
| Belt Fraternal Club | Belt, Montana 59412 | Blk. 1, Lots 11 & 12 |

BELT AREA
T19N R6E, Sec. 26
 Belt Original
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|--|--|
| Belt Valley Bank | Belt, Montana 59412 | Blk. 3, Lots 5, 6, 7 8, 9, 10 |
| | | Blk. 3, Lots 1-8 |
| Aksel E. Berg | Box 38 Belt, Montana 50412 | Blk. 12, Lots 31-W5', 32, 33, 34 |
| June T. Berg | Box 422 Belt, Montana 59412 | Blk. 3, Lots 11 & 12 Blk. 13, Lots 17, 18-E $\frac{1}{2}$ ', 19 and 20 |
| Palmer, Clarence, Olga & Ethel Berg | Box 344 Belt, Montana 59412 | Blk. 10, Lots 29, 30 |
| Dennis L. & Joann C. Bishop | Belt, Montana 59412 | Blk. 11, Lots 12, 13, 14 |
| Gordon W. & Florence E. Black | c/o R. Hatleberg Box 313 Belt, Montana 59412 | Blk. 1, Lots 9 & 10 |
| Charles A. Bovey & Betty Hatcher | Box 1653 Belt, Montana 59412 | Blk. 6, Lot 12 |
| Eugene R. & Phyllis J. Briese | Belt, Montana 59412 | Blk. 16, Lots 6, 7, 8 |
| Dean B. & Janell A. Brown | Belt, Montana 59412 | Blk. 1, Lot 4 |

BELT AREA
T19N R6E, Sec. 26
 Belt Original
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|--------------------------------|--|
| Harry E. & Genevieve S. Brown | Belt, Montana 59412 | Blk. 11, Lots 16, 17, 18 |
| Elizabeth E. Browning | Box 216 Belt, Montana 59412 | Blk. 12, Lots 12 & 13-W2/5 Lot 23 & 24 |
| N. H. Jr. & Elizabeth Browning | Box 216 Belt, Montana 59412 | Blk. 12, Lots 9, 10, 11 |
| Kenneth L. Burley | Belt, Montana 59412 | Blk. 10, Lots 1, 2, 3, 4 |
| Kenneth & Maxine R. Burley | Belt, Montana 59412 | Blk. 6, Lots 22, 23, 24 & 25 and Lots 29, 30 Blk. 7, Lot 7 |
| Robert J. & Rosemary Bushman | Belt, Montana 59412 | Blk. 11, Lots 5 & 6-W11' |
| David & Shelmerdene Carlson | Box 266 Belt, Montana 59412 | Blk. 15, Frax 3/4 |
| Robert & Emma Cave | Box 69 Belt, Montana 59412 | Blk. 10, Lots 26, 27, 28 Blk. 14, Lots 1 & 2 |
| Terry L. & Patricia J. Chestnut | Belt, Montana 59412 | Blk. 6, Lots 7, 8 & 9 & 11 |
| Mrs. Jennie Cinker | Belt, Montana 59412 | Blk. 1, Lot 1 |

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--------------------------------|--|
| Cyril L. & Patricia A. Colarchik | Box 129 Belt, Montana 59412 | Blk. 13, Lots 33, 34 |
| Gary & Judy Crowder | Box 471 Belt, Montana 59412 | Blk. 12, Lot 25 |
| Alex & Thomas N. Darko | Belt, Montana 59412 | Blk. 16, Lots 11, 12, 13 |
| Josephine J. Darko | Rt. 1 Belt, Montana 59412 | Blk. 16, Lots 14, 15, 16 |
| Bobby E. & Margaret E. Dickman | Box 38 Belt, Montana 59412 | Blk. 6, Lots 16, 17, 18E $\frac{1}{2}$ |
| Harry B. & Martha Elam | Box 373 Belt, Montana 59412 | Blk. 12, Lots 5, 6 |
| Mary Ada Fabian | Box 261 Belt, Montana 59412 | Blk. 13, Lots 1, 2, 3, 4, 5, 6 |
| Frank L. Florek | Box 474 Belt, Montana 59412 | Blk. 6, Lot 10 |
| Charles J. & Marion D. Fulbright | Box 317 Belt, Montana 59412 | Blk. 5, Lots 20, 21 & 22 |
| Joe J. Gliko | Belt, Montana 59412 | Blk. 3, Lots 18, 19 & 20 |

BELT AREA
T19N R6E, Sec. 26
Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|--------------------------------|---|
| Irene Giomi | Box 374 Belt, Montana 59412 | Blk. 14, Lots 14 & 15 |
| Evan H. & Bertha Gary | Box 482 Belt, Montana 59412 | Blk. 1, Lot 5 & Lot 6-N5' |
| Pauline Grena | Box 384 Belt, Montana 59412 | Blk. 13, Lots 7, 8 |
| Issac Haagenson | Belt, Montana 59412 | Blk. 13, Lots 27, 28, 29 |
| Edwin J. & Glada V. Hammett | Box 9 Belt, Montana 59412 | Blk. 11, Lots 29 & 30 |
| Gary A. & Denise R. Hansen | Box 353 Belt, Montana 59412 | Blk. 9, Lots 16 & 17 |
| William & Marg Hanzel | Belt, Montana 59412 | Blk. 5, Lot 18-E16', Lot 19 |
| John & Dorothy Harcharik | Box 27 Belt, Montana 59412 | Blk. 10, Lots 9, 10, 11, 12 |
| Danny R. & Nadine E. Hardinger | Belt, Montana 59412 | Blk. 12, Lot 17-N $\frac{1}{2}$ Lot 18-N $\frac{1}{2}$ |
| L. A. & Mary Heath | Belt, Montana 59412 | Blk. 9, Lots 5 & 6 |
| Larry J. & Rosaltta E. Howes | Box 268 Belt, Montana 59412 | Blk. 6, Lot 18-W $\frac{1}{2}$, Lot 19, 20 21-E $\frac{1}{2}$ |

BELT AREA
T19N R6E, Sec. 26
Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---------------------------------------|---|
| Jerry T. & Nina M. Hoyer | Box 402 Belt, Montana 59412 | Blk. 12, Lots 7 & 8 Blk 16, Lots 19-22 |
| Janet R. Jacobs | 1419 Hollins Helena, Montana 59601 | Blk. 1, Lot 7-S22½' |
| Earl E. & Phyllis I. Jakes | Belt, Montana 59412 | Blk. 1, Lots 2 & 3 |
| Carl G. & Flossie M. Johnson | Belt, Montana 59412 | Blk 10, Lot 18-W15' Lot 19 |
| Gary E. & Linda L. Johnson | Belt, Montana 59412 | Blk. 16, Lots 17, 18 |
| Kenneth E. & Mary A. Johnson | Box 36 Belt, Montana 59412 | Blk. 6, Lots 13, 14 & 15 |
| Margaret R. Johnson & Maxine Tender | Box 64 Belt, Montana 59412 | Blk. 10, Lots 16, 17 & 18-E10' |
| Marlin K. & Helen J. Johnson | Box 41 Belt, Montana 59412 | Blk. 16, Lots 2, 3, 4, 5 |
| Wilmae Lu Keaster | Belt, Montana 59412 | Blk. 3, Lot 1-NE Pt Blk. 5, Lots 27 & 28 |
| Doherty Ruth King | Box 135 Belt, Montana 59412 | Blk. 9, Lots 18 & 19 |

BELT AREA
T19N R6E, Sec. 26
Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|--------------------------------|--|
| Fred R. King | Belt, Montana 59412 | Blk. 9, Lots 1, 2, 20, 21, 22 23, 24 |
| Eino Kivi | Box 18 Belt, Montana 59412 | Blk. 11, Lot 15 |
| Robert T. Klasner, Jr. | Stockett, Montana 59480 | Blk. 2, Lots 6, 7, 8 9, 10, 11 |
| Edna M. & Joseph J. Kleffner | Box 493 Belt, Montana 59412 | Blk. 14, Lots 10, 11 |
| Phillip A. Kleffner | Belt, Montana 59412 | Blk. 3, Lot 25 Blk 4, Lot 1 Blk. 6, Lot 21-W ¹ / ₂ |
| Impie S. Korin & Ruth M. Rogers | Box 124 Belt, Montana 59412 | Blk 14, Lots 4, 5, 6, 7 |
| Selma Koski | Belt, Montana 59412 | Blk. 13, Lot 15 |
| Russell & Jessie Leland | Box 243 Belt, Montana 59412 | Blk. 12, Lots 1, 2, 3, 4 |
| Joseph P. & Betty Lindeman | Belt, Montana 59412 | Blk. 10, Lot 23-W ¹ / ₂ , 24, 25 |
| Gerald D. & Francis J. Maberry | Box 101 Belt, Montana 59412 | Blk. 10, Lots 13, 14, 15 |

BELT AREA
T19N R6E, Sec. 26
 Belt Original
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--------------------------------|---|
| Eino A. & Sylvia A. Maki | Belt, Montana 59412 | Blk. 6, Lots 4, 5, 6 & 26, 27, 28 |
| Eugene C. & Marianne Martin | Belt, Montana 59412 | Blk. 9, Lot 7 |
| William Mattila | Belt, Montana 59412 | Blk. 11, Lots 6-E14', 7, 8, 9-W19' |
| Gordon D. & Sharlene M. McMillan | Belt, Montana 59412 | Blk. 10, Lots 5, 6, 7, 8 |
| Lucinda E. Mearns | Box 136 Belt, Montana 59412 | Blk. 5, Lots 9, 10, 11 & 12 |
| Methodist Church | | Blk. 11, Lots 1, 2, 3, 4 |
| Ted R. & Ruthetta Metzger | Box 345 Belt, Montana 59412 | Blk. 13, Lots 35, 36, 37, 38, 39, 40 |
| James R. Mital | Box 368 Belt, Montana 59412 | Blk. 5, Lots 23, 24, 25, & 26 |
| Ethel E. Mitchell | Box 276 Belt, Montana 59412 | Blk. 13, Lots 25 & 26 |
| Oliver R. & Georgia M. Moe | Belt, Montana 59412 | Blk. C, Lots 1A & 2A |
| The Montclair Methodist Church | | Blk. 9, Lots 12, 13, 14, 15 |

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|--|---|
| Vernon V. Muretta | Belt, Montana 59412 | Blk. 11, Lots 23, & 24 |
| Donald W. & Joann Noble | Box 3 Belt, Montana 59412 | Blk. 12, Lots 26, 27, 28 29-E $\frac{1}{2}$, 30-W $\frac{1}{2}$, 31-E20' |
| Lloyd E. & Lillian D. Pearse | Belt, Montana 59412 | Blk. 10, Lots 20, 21, 22, 23-E $\frac{1}{2}$ Blk 11, Lot 9-E6', Lots 10 & 11 |
| Andrew & Anna R. Pejko | Belt, Montana 59412 | Blk. 3, Lots 21, 22, 23 & 24 |
| Fred & Chas F. Remington | R.F.D. Raynesford, Montana 59469 | Blk. 8, Lots 1, 2, 3, 4, 5, 6 |
| Roman Catholic Bishop of Great Falls | | Blk. 2, Lots 1 & 2 |
| Fritz G. & Edith Roos | Belt, Montana 59412 | Blk. 9, Lots 9, 10, 11 |
| Fred A. Rubino et al | c/o J. Rubino, Box 94 Joplin, Montana 59531 | Blk. 11, Lots 21 & 22 |
| Elizabeth Ryffel | Belt, Montana 59412 | Blk. 12, Lot 17-S $\frac{1}{2}$, Lot 18-S $\frac{1}{2}$, Lot 19 |
| Erna L., Gottlieb J. & Henry H. Ryffel | Belt, Montana 59412 | Blk 5, Lots 1 thru 8 |

BELT AREA
T19N R6E, Sec. 26

Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|---|---------------------------------|
| Arnold B. Schermerhorn | Belt, Montana 59412 | Blk. 12, Lots 21, 22 |
| Marvin D. & Mildred A. Sivak | 357 Carol Dr. Great Falls, Montana 59405 | Blk 14, Lots 12 & 13 |
| Wanda E. Smith | 3717 3 Av. S. Great Falls, Montana 59405 | Blk. 9, Lots 3 & 4 |
| Ralph C. & Leroy Spiller | Belt, Montana 59412 | Blk. 14, Lots 8 & 9-W/2W/2 |
| Harriet E. Stein | Box 192 Belt, Montana 59412 | Blk. 11, Lots 27 & 28 |
| Eva E. Stober et al | Box 331 Belt, Montana 59412 | Blk. 14, Lot 9-E/2W/2 & E12' |
| David & Judy Stroop et al | Box 301 Belt, Montana 59412 | Blk. 6, Lots 1, 2 & 3 |
| George C. & Agnes H. Swanke | Belt, Montana 59412 | Blk. 9, Lot 8 |
| Janet Teller | c/o J. Strathman 1703 N. Maple Bloomington, Indiana 47401 | Blk. 12, Lot 20 |
| Harry L. & Vicki M. Throckmorton | Belt, Montana 59412 | Blk. C, Lots 2, 3, 4, 4A, 5 |

BELT AREA
T19N R6E, Sec. 26
Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|---|---|
| Frank T & Vivian I. Urlick | Box 17 Belt, Montana 59412 | Blk 3, Lots 3 & 4 |
| Tony G. & Edna R. Urlick | Box 325 Belt, Montana 59412 | Blk. 2, Lots 3, 4, & 5 |
| James & Mildred A. Veleber | Box 46 Belt, Montana 59412 | Blk. 5, Lots 13, 14, 15, 16, 17-W1' |
| Mildred A. & Dennis L. Veleber | Box 46 Belt, Montana 59412 | Blk 5, Lot 17-E24', Lot 18-W9' |
| V. F. W. Stanley Freie Post #4198 | | Blk 1, Lot 13 |
| Martin R. Vigen, Sr. | Belt, Montana 59412 | Blk. 11, Lots 25 & 26 |
| Jerry E. & Anita R. Virts | Belt, Montana 59412 | Blk. 13, Lots 21 & 22 |
| Richard R. & Virginia A. Wieweck | c/o V. Trotchie 721 14 St. Havre, Montana 59501 | Blk. 16, Lots 9, 10 |
| Nona A. Williamson et al | Box 356 Belt, Montana 59412 | Blk. 13, Lot 16 and Lot 17-W $\frac{1}{2}$ |
| Joyce G. & Helen J. Wohlgemuth | Vaughn, Montana 59487 | Blk. 9, Lot 25 |

BELT AREA
T19N R6E, Sec. 26
Belt Original
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|-------------------------------|--|
| George & Helen Wood | Box 95 Belt, Montana 59412 | Blk. 1, Lot 8 |
| Helen J. Wood | Belt, Montana 59412 | Blk., 3, Lot 1-S Pt and Lot 2 |
| Nicholas Yendrick | Belt, Montana 59412 | Blk. 11, Lots 19 & 20 |
| Michael J. & Marjorie A. Zuhoski | Belt, Montana 59412 | Blk. 13, Lots 9, 10, 11, 12, 13, 14 |

BELT AREA
T19N R6E, Sec. 26
1st Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|--|--|
| Esther A. Abernathy et al | Belt, Montana 59412 | Blk. 7, Lots 16 & 17 |
| Eiken M. Brutosky & Ernestine H. Urbanich | 3 Prospect Drive Great Falls, Montana 59405 | Blk. 7, Lots 18 & 19 |
| Elizabeth E. Browning | Belt, Montana 59412 | Blk. 6, Lots 4 & 5-E $\frac{1}{2}$ and Lot 7C |
| John G. & Terry A. Burgess | Belt, Montana 59412 | Blk. 5, Lots 1-5 |
| Freeman G. & Elizabeth Burley | Belt, Montana 59412 | Blk. 7, Lots 5, 6, 7, 8 |
| Jalmer C. & Montana L. Carlson | Box 73 Belt, Montana 59412 | Blk. 7, Lots 3 & 4 |
| Karol Kay Carlson | Box 73 Belt, Montana 59412 | Blk. 5, Lot 14-W 15' and Lot 15 |
| Edward R. Durbin | 409 10 Av. SW Great Falls, Montana 59404 | Blk. 1, Lots 8 & 9 |
| Glen A. & Irene N. Enderson | Box 442 Belt, Montana 59412 | Blk. 3, Lots 1-6 |
| Stanley J. Fabian et al | c/o Belt Valley Bank Belt, Montana 59412 | Blk. 6, Lot 1 |

BELT AREA
T19N R6E, Sec. 26
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------------|---|---|
| Viola A. Falls | Box 117 Belt, Montana 59412 | Blk. 6, Lots 7A & 7B |
| Robert E. & Lora L. Feist | Box 139 Belt, Montana 59412 | Blk. 7, Lot 20 |
| David K. & Edna M. Foster | Belt, Montana 59412 | Blk. 7, Lots 11, 12 |
| Shirl L. & Phyllis Francom | Belt, Montana 59412 | Lot D |
| Holdine K. Gillette | Box 267 Belt, Montana 59412 | Blk. 6, Lots 2 & 3 and Lot 5-W $\frac{1}{2}$ & Lot 6 |
| Esther D. Haagenson | Box 7136, McConnell AFB Witchita, Kansas 67221 | Blk. 4, Lots 1 & 2 |
| Hilma Heckerman | Box 263 Belt, Montana 59412 | Blk. 5, Lots 16 & 17 |
| James O. & Zelda M. Irvine | Belt, Montana 59412 | Blk. 5, Lots 6 & 7 Lot 12-W 5', 13 & 14-E 10' |
| Russell T. & Marie B. Jackson | Box 512 Belt, Montana 59412 | Blk. 3, Lots 7 & 8 |
| Kenneth Johnson & Anna Ruth Pejko | Highwood, Montana 59450 | Blk. 6, Lot 7 |

BELT AREA
T19N R6E, Sec. 26
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------|--|------------------------------|
| Ben Koski | Box 204 Belt, Montana 59412 | Blk. 4, Lot 4 |
| Rose Ligas et al | c/o Mary Suden 125 15 St. Black Eagle, Montana 59414 | Blk. 4, Lot 3 |
| Robert W. & Bette Jo Maki | Belt, Montana 59412 | Blk. 5, Lots 18 & 19 |
| Edward J. & Billie B. Marn | Box 241 Belt, Montana 59412 | Blk. 1, Lots 5, 6, 7 |
| Gerald L. & Judith L. Marn | Box 372 Belt, Montana | Blk. 4, Lots 5 & 6 |
| John R. & Shirley C. Marn | Box 201 Belt, Montana 59412 | Blk. 4, Lots 12 & 13 |
| Ben McCoy | Belt, Montana 59412 | Blk. 7, Lots 14 & 15 |
| J. B. McGurk | Belt, Montana 59412 | Blk. 2, Lot 2 |
| Margaret Millard | Belt, Montana 59412 | Blk. 2, Lot 1 |
| Mike & Eva E. Mittal et al | Belt, Montana 59412 | Blk. 7, Lot 2 |
| Shirley M. Murphy | Box 144 Belt, Montana 59714 | Blk. 7, Lot 1 |

BELT AREA
T19N R6E, Sec. 26
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|--|---------------------------------------|
| William & Patricia S. Neill | Box 83 Belt, Montana 59412 | Blk. 5, Lots 8, 9, 10 11, 12-E 20' |
| Elizabeth V. Pohlod | Belt, Montana 59412 | Blk. 4, Lot 7 |
| Alice F. Satter | Box 306 Belt, Montana 59412 | Blk. 7, Lot 13 |
| June M. Stewart | Box 383 Belt, Montana 59412 | Blk. 7, Lot 9 & 10 |
| Anna Szabo & Andy Baron | Box 394 Belt, Montana 59412 | Blk. 4, Lots 8-11 |
| Floyd C. & Phyllis V. Thompson | Belt, Montana 59412 | Blk. 1, Lots 1, 2, 3, 4 |
| Mearlyn B. & Leona Wheeler | c/o R. McCloud 16 Ave. S. Great Falls, Montana 59405 | Blk. 1, Lots 10, 11, 12, 13 |

BELT AREA
T19N R6E, Sec. 26
2nd Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|---|---|
| Clayton W. & Ardis Anderson | Box 255 Belt, Montana 59412 | Blk. 6, Lots 11-14 |
| Frank B. & Sharon Brown | Box 7 Belt, Montana 59412 | Blk. 2, Lots 5, 6 & 7 |
| N.H. & Elizabeth E. Browning | Box 216 Belt, Montana 59412 | Blk. 4, Lots 5-8 |
| Thomas G. & Jessie L. Calvert | c/o T.M. Calvert Belt, Montana 59412 | Blk. 4, Lots 1-4 |
| Cascade Co. | | Blk. 1, Lots 1-5 & 9-16 Blk. 2, Lots 15 & 16 |
| Frank Cinker | Box 292 Belt, Montana 59412 | Blk. 2, Lot 9-E8' Lots 10 & 11 |
| Glen & Irene N. Enderson | Box 442 Belt, Montana 59412 | Blk. 1, Lots 6, 7, 8 |
| David K. & Edna M. Foster | Belt, Montana 59412 | Blk. 5, Lot 8 |
| Jack W. Gamble | Box 47 Belt, Montana 59412 | Blk. 7, Lots 6-23 Blk. 8, Lots 1-25 |
| Michael R. & Sharon Gamble | Belt, Montana 59412 | Blk. 5, Lots 10 & 11 |
| William O. Hendrickson | Box 278 Belt, Montana 59412 | Blk. 5, Lots 14, 15 & 16 |

BELT AREA
T19N R6E, Sec. 26
 2nd Addition to Belt
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|---|---|
| Arthur L. & Shirley A. Hill | Belt, Montana 59412 | Blk. 3, Lots 11, 12, 13, 14, 15 & 16 |
| Clarence W. & Josephine G. Inman | Belt, Montana 59412 | Blk. 5, Lots 1-4 |
| Martin A. Johnson, Jr. | Box 545 Belt, Montana 59412 | Blk. 7, Lots 1-5 |
| Jan T. & C. John Kuno | Rager Ranger Station Box 14 Paulina, Oregon 97752 | Blk. 2, Lots 12, 13, 14 |
| Gerald L. & Judith L. Marn | Box 372 Belt, Montana 59412 | Blk. 2, Lot 9-Bal (Less E8') |
| Marie E. Mital | Box 379 Belt, Montana 59412 | Blk. 2, Lots 3 & 4 |
| Gerald G. & Evelyn Murphy | 312 30 St. S Great Falls, Montana 59405 | Blk. 5, Lots 12 & 13 |
| William N. & Patricia Neill | Box 83 Belt, Montana 59412 | Blk. 3, Lots 7, 8, 9, 10 |
| Elizabeth V. Pohlod | Belt, Montana 59412 | Blk. 2, Lot 8 |
| Mel W. & Bonita A. Rennick | Belt, Montana 59412 | Blk. 6, Lots 1-10 |

BELT AREA
T19N R6E, Sec. 26
2nd Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--------------------------------|------------------------------|
| Frederick Simmons | Box 88 Belt, Montana 59412 | Blk. 2, Lots 1 & 2 |
| June M. Stewart | Box 383 Belt, Montana 59412 | Blk. 5, Lot 9 |
| Gerald L. & Marcelyn Ann Stinson | Belt, Montana 59412 | Blk. 3, Lots 4, 5, 6 |
| Phillip E. & M. Maxine Tender | Belt, Montana 59412 | Blk. 5, Lots 5-7 |
| Harry A. & Amelia Throckmorton | Box 294 Belt, Montana 59412 | Blk. 3, Lots 1, 2, 3 |
| Gary G. & Edna K. Wohgemuth | Vaughn, Montana 59487 | Blk. 9, Lots 1-7 |

BELT AREA
T19N R6E, Sec. 26
Anaconda Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---------------------------------|---|--------------------------------|
| Frank A. & Nina A. Ballatore | Box 444 Belt, Montana 59412 | Blk. 5, Lots 1-6 |
| Richard Ballatore | Box 107 Belt, Montana 59412 | Blk. 5, Lots 7-16 |
| City of Belt | | Blk. 1, Lot 1 Blk. 3, Lot 9 |
| George & Violet L. Bestwina | Belt, Montana 59412 | Blk. 5, Lots 17-20 |
| Elizabeth Browning | Belt, Montana 59412 | Blk. 3, Lots 17-22 |
| Elbert R. Coleman | Box 123 Belt, Montana 59412 | Blk. 4, Lots 9-13 |
| General Mills Inc. | c/o Tax Dept., Box 1113 Minneapolis, Minnesota 55440 | Lot C |
| Hugh Grogan | Box 404 Belt, Montana 59412 | Blk. 4, Lots 1-5 & 7, 8 |
| Hugh E. & Jessie J. Grogan | Box 404 Belt, Montana 59412 | Blk. 4, Lot 6 |
| Wm. J. & Sarah Harner | c/o E. Mace 8812 W. Court Pasco, Washington 99301 | Blk. 1, Lots 2, 3, 4 |

BELT AREA
T19N R6E, Sec. 26
Anaconda Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|--|---|
| Julius M. & Mary B. Johnson | Box 67 Belt, Montana 59412 | Blk. 2, Lots 2, 3, 4, 5 Blk. 3, Lots 6, 7, 8 |
| Norman L. & Judy L. Poppe | Box 75 Belt, Montana 59412 | Blk. 3, Lots 23, 24, 25 |
| James C. & Gloria Warehime | Box 26 Belt, Montana 59412 | Blk. 3, Lots 1-5 |
| Beauford Wells | Belt, Montana 59412 | Blk. 3, Lots 10, 11, 12 |
| Beauford J. & Dinah L. Wells | Belt, Montana 59412 | Blk. 3, Lots 13, 14, 15, 16 Blk. 1, Lots 4 & 5 |
| James G. & Sandra L. Whitaker | 4020 5 Ave. S. Great Falls, Montana 59405 | Blk. 2, Lot 1 |

BELT AREA
T19N R6E, Sec. 26
Castners - 1st Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---------------------------------|---|---|
| City of Belt | | Blk. 1, Lot 1-N10' Blk. 2, Lots 11 & 12 |
| E.C. & Esther Brurud | c/o C. Brurud Belt, Montana 59412 | Blk. 1, Lot 1-S15', Lots 2 & 3 Blk. 2, Lots 2 & 3 |
| Cascade County (County Jail) | | Blk. 2, Lot 13 |
| Robert W. & Bessie M. Custer | Belt, Montana 59412 | Blk. 1, Lots 10-13 |
| Virgil N. & Viola Hanson | Star Rt., Box 3 Belt, Montana 59412 | Blk. 2, Lots 14-18 |
| Sister Johnelle Howanach | Belt, Montana 59412 | Blk. 2, Lots 4, 5, 6 |
| Nelle M. & Alice Klimas | Box 251 Belt, Montana 59412 | Blk. 1, Lots 7 & 8 |
| Lawrence & Verna A. Nicola | Box 272 Belt, Montana 59412 | Blk. 2, Lots 7 & 8 |
| Sherril Rector | c/o S. Brown General Delivery Belt, Montana 59412 | Blk. 1, Lot 6 |
| Mike Sechena | 1301 2 W. Hill Dr. Great Falls, Montana 59404 | Blk. 2, Lots 9 & 10 |

BELT AREA

T19N R6E, Sec. 26

Castners - 1st Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---------------------|------------------------------|
| Harry L. Throckmorton & David C. Stroop | Belt, Montana 59412 | Blk. 2, Lot 1 |
| Ann M. Whalem | Belt, Montana 59412 | Blk. 1, Lot 9 |

BELT AREA
T19N R6E, Sec. 26
 Castners 2nd Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|--------------------------------|--|
| Robert J. & Cheryl M. Berard | Av. A Belt, Montana 59412 | Blk. 4, Lots 20-22 |
| N. H. & Elizabeth E. Browning | Box 216 Belt, Montana 59412 | Blk. 5, Lot B |
| Lucille Chesbro | Box 193 Belt, Montana 59412 | Blk. 5, Lots 1A, 2A, 3A |
| Henry A. & Glenda M. Coles | Belt, Montana 59412 | Blk. 5, Lots 6 and 5AA |
| John P. & Mary M. Donovan | Box 174 Belt, Montana 59412 | Blk. 1, Lots 1 & 2, Lot A |
| Joe J. Gliko | Box 23 Belt, Montana 59412 | Blk. 4, Lot 18 |
| Gladys V. Hansen | Box 357 Belt, Montana 59412 | Blk. 5, Lot 4 |
| Earl & Phyllis Jakes | Belt, Montana 59412 | Blk. 4, Lot 6-S $\frac{1}{2}$ and Lot 7 |
| Julia A. Johnson et al | Box 304 Belt, Montana 59412 | Blk. 1, Lot 10-S 8' of east 69', Lot 11-E 69' |
| Wilmae Lu Keaster | Belt, Montana 59412 | Blk. 3, Lots 2 & 3 & Lot 4 less swpt Blk. 5, Lots 1-2 and Lots 4A, 5A, and 6A |

BELT AREA
T19N R6E, Sec. 26
Castners 2nd Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|---|---|
| Phillip A. Kleffner | Box 432 Belt, Montana 59412 | Blk. 3, Lots 5-7 |
| Henry B. & Ann Martin | Box 362 Belt, Montana 59412 | Blk. 1, Lot 8, 9 |
| Lourena McCafferty | Belt, Montana 59412 | Blk. 1, Lot 10-Bal, Lot 11-W11' of E 80' and W 50' |
| Gordon D. & Sharlene M. McMillan | c/o D. Mitchell Box 252 Belt, Montana 59412 | Blk. 4, Lot A |
| John T. & Roberta C. Mital | Box 63 Belt, Montana 59412 | Blk. 4, Lots 12 & 13 |
| Shirley Murphy | Box 144 Belt, Montana 59412 | Blk. 4, Lot 19 |
| Inez M. Noble | Box 86 Belt, Montana 59412 | Blk. 4, Lot 1 |
| Mabel L. Pejko | Belt, Montana 59412 | Blk. 5, Lots 7A, 8A, 9A, 10A |
| Loween E. Peterson | Belt, Montana 59412 | Blk. 4, Lots 3-S10' and Lot 4 |
| Amiee E. Pimperton | Box 485 Belt, Montana 59412 | Blk. 4, Lot 8 |

BELT AREA
T19N R6E, Sec. 26
 Castners 2nd Addition to Belt
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---|--------------------------------------|
| William J. & Nancy E. Rodgers | Belt, Montana 59412 | Blk. 5, Lot 11A |
| Roman Catholic Bishop of Great Falls | | Blk. 2, Lots 1-5 |
| Elizabeth C. Ryffel | Belt, Montana 59412 | Blk. 1, Lots 5, 6, 7 |
| Gottlieb J. & Pearl M. Ryffel | Belt, Montana 59412 | Blk. 4, Lots 2 & 3-N 40' |
| School Dist. 29 & High School Dist. D | | Blk. 4, Lot 14 |
| Russell W. & Marilyn L. Servoss | Belt, Montana 59412 | Blk. 1, Lots 3 & 4 |
| Dale E. & Chinuk Smith | General Delivery Belt, Montana 59412 | Blk. 4, Lot X |
| Lenore J. Stokes | Box 133 Belt, Montana 59412 | Blk. 4, Lot 10-S 38' and Lot 11 |
| Alma E. & Marilyn E. Sweeney | Box 203 Belt, Montana 59412 | Blk. 4, Lots 5 and 6-N $\frac{1}{2}$ |
| Harry L. & Vicki Throckmorton | Box 441 Belt, Montana 59412 | Blk. 5, Lot 3A |
| David K. Vigen | Belt, Montana 59412 | Blk. 5, Lot 3-N 40' |

BELT AREA
T19N R6E, Sec. 26
Castners 2nd Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------|--|--------------------------------|
| Clara A. Warchime | Belt, Montana 59412 | Blk. 4, Lot 15 |
| Pauline A. Warchime | c/o P. Rose Belt, Montana 59412 | Blk. 3, Lot 1 |
| Andres & Ruth Weggeland | Belt, Montana 59412 | Blk. 4, Lots 9 and 10-N 12' |
| Helen J. Wood | Belt, Montana 59412 | Blk. 3, Lot 4-SW Pt |
| Russell & Frances C. Zanto | Belt, Montana 59412 | Blk. 4, Lots 16 & 17 |
| Lillian Zuern | Heath Star Rt., Space #A4 Cambridge, ID 83610 | Blk. 5, Lot 5 |

BELT AREA
T19N R6E, Sec. 26
 Castners 4th Addition

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|--------------------------------|---|
| Frank A. Ballatore | Box 444 Belt, Montana 59412 | Coke Oven Flats, Lot 6 |
| Richard Ballatore | Box 107 Belt, Montana 59412 | French Coulee, Lots 17 and 38, 39, and 41 |
| Richard & Betty E. Ballatore | Box 107 Belt, Montana 59412 | French Coulee, Lot 42 |
| Sam Ballatore | Box 107 Belt, Montana 59412 | Coke Oven Flats, Lot 6 |
| " | " | French Coulee, Lots 18, 19 & 20 and 33, 34, 35, 36 |
| Sam & Mamie Ballatore | Box 10 Belt, Montana 59412 | French Coulee, Lot 37 |
| Gordon W. & Florence E. Black | Box 34 Belt, Montana 59412 | Grove, Lot 1 |
| Cascade County | | Coke Oven Flats, Lot 8 |
| Marlene Cinker | Box 113 Belt, Montana 59412 | French Coulee, Lots 21, 22, 23 24, and 27, 28, 29 and 40 |
| Jerry D. & Diane E. Herigon | Belt, Montana 59412 | Grove, Lots 4 & 5 |
| Joseph E. Midura | Box 51 Belt, Montana 59412 | Coke Oven Flats, Lot 13 |

BELT AREA
T19N R6E, Sec. 26
 Castners 4th Addition
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|---|----------------------------------|
| William D. & Gwenevere L. Miller | Belt, Montana 59412 | Grove, Lot 3 |
| Anna A. Nicola | Box 286 Belt, Montana 59412 | Coke Oven Flats, Lot 14 |
| Lawrence & Verna Nicola | Box 272 Belt, Montana 59412 | Coke Oven Flats, Lot 15 |
| Leonard N., Sr. & Ruby L. Nicola | c/o L. Nicola Box 272 Belt, Montana 59412 | Coke Oven Flats, Lot 16 |
| Leroy & Faye F. Spiller | Belt, Montana 59412 | Coke Oven Flats, Lot 10 |
| State of Montana | | French Coulee, Lots 30, 31, & 32 |
| Edward N. & Selmar S. Talvi | Belt, Montana 59412 | Grove, Lot 2 |
| Russel L. & Joanne Voytoski | Box 62 Belt, Montana 59412 | Coke Oven Flats, Lots 11, 12 |

BELT AREA
T19N R6E, Sec. 26
Belt - Upper & Lower Row
Lower Row

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---|---|---------------------------------------|
| Elizabeth E. Browning & John R. Marn | c/o G. Hansen Belt, Montana 59412 | Blk. 1, Lot 1 |
| N.H. Browning, Jr. | Box 216 Belt, Montana 59412 | Blk. 3, Lot 11 |
| Robert W. & Bessie M. Custer | Belt, Montana 59412 | Blk. 3, Lot 17 |
| Joseph & Josephine Dobkoski | Box 253 Belt, Montana 59412 | Blk. 3, Lot 13 |
| Farmers Union Oil Co. | Box 2483 Great Falls, Montana 59403 | Blk. 2, Lot 2A |
| Frank L. Florck | Box 474 Belt, Montana 59412 | Blk. 3, Lots 15 & 16 |
| Virgil L. & Viola H. Hanson | Star Rte., Box 3 Belt, Montana 59412 | Blk. 2, Lots 3 less S 20', 3A & 3B |
| Jerry L. & Linda H. Kjelsrud | Belt, Montana 59412 | Blk. 3, Lot 5 |
| Vernon E. Locke | Rt. 1 Sheperd, Montana 59079 | Blk. 3, Lots 1, 2, 3 |
| Howard K. Lovett | Belt, Montana 59412 | Blk. 3, Lot 18 |

BELT AREA
T19N R6E, Sec. 26
Belt - Upper & Lower Row
Lower Row
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-----------------------------------|---|--------------------------------------|
| Earl L. & Genevieve R. Mizen | c/o M. Geraghty Boulder, Montana 59632 | Blk. 3, Lot 19 |
| W. H. Joseph Morris | Box 181 Belt, Montana 59412 | Blk. 3, Lot 4 Blk. 3, Lot 3-S 20' |
| Ole B. & Fay Paulson | Belt, Montana 59412 | Blk. 3, Lot 12 |
| Edith E. Sells | Box 96 Belt, Montana 59412 | Blk. 3, Lot 14 |
| Edward W. & Marjorie L. Spragg | P.O. Box 29 Belt, Montana 59412 | Blk. 2, Lot 1 |
| Robert Stroop | Belt, Montana 59412 | Blk. 3, Lots 7-10 |
| Harry Lee Throckmorton | Box 441 Belt, Montana 59412 | Blk. 3, Lot 6 |
| Earl & Betty Warehime | Box 193 Belt, Montana 59412 | Blk. 1, Lot 2 & 3 |
| Percy M. Wraught | 290 Amy Lane Idaho Falls, Idaho 83401 | Blk. 3, Lot 20 |

BELT AREA
T19N R6E, Sec. 26
Belt - Upper & Lower Row
Upper Row

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--|-------------------------------------|
| Thomas S. Burcham | Box 446 Belt, Montana 59412 | Blk. 4, Lots 7, 8, 9, 10-S 20' |
| Jack Jr. & Theodore Bykani | Box 14 Belt, Montana 59412 | Blk. 4, Lot 2 |
| Edward J. & Katherine Grace Elan | Box 405 Belt, Montana 59412 | Blk. 4, Lots 16 & 17 |
| First Nat'l Bank of Belt | c/o Bertha Rutter Belt, Montana 59412 | Blk. 4, Lot 6 |
| Earl R. & Susanna S. Frazier | Box 424 Belt, Montana 59412 | Blk. 4, Lot 10-N 20', 11, 12, 13 |
| Evan Gray | Box 482 Belt, Montana 59412 | Blk. 4, Lot 3 |
| Evan H. & Bertha Gray | Box 482 Belt, Montana 59412 | Blk. 4, Lot 4 |
| Stanley C. & Valerie E. Guedesse | Belt, Montana 59412 | Blk. 4, Lot 21 |
| Dennis Lawrence & Jane E. Langan | Box 358 Belt, Montana 59412 | Blk. 4, Lots 22 & 23 |
| James C. Rubino | Box 396 Belt, Montana 59412 | Blk. 4, Lots 14 & 15 |

BELT AREA

T19N R6E, Sec. 26

Belt - Upper & Lower Row

Upper Row

(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|--------------------------------|------------------------------|
| Earl P. & Louise M. Sanders | Belt, Montana 59412 | Blk. 4, Lots 18, 19 & 20 |
| Pauline M. Wood & Helen L. Brutoski | Box 322 Belt, Montana 59412 | Blk. 4, Lot 5 |

BELT AREA
T19N R6E, Sec. 26
 Central Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------|---|---|
| John D. & Irene S. Austin | Star Rte. Belt, Montana 59412 | Blk. 18, Lots 8-18 |
| Myron T. Bell | | Blk. 15, Lots 2-6, 17-23 |
| Great Northern Ry. Co. R/W | | Blk. 12, Lots 1-11 |
| Opal G. Goodman | Star Rte., Box 30 Belt, Montana 59412 | Blk. 10, Lots 1, 2, 3 Blk. 18, Lots 5, 6, 7 |
| J. H. Saul & Rose M. Thayer | Belt, Montana 59412 | Blk. 13, Lot 4 |
| W. C. & Theola Sederholm | 1401 1st St. S. Great Falls, Montana 59405 | Blk. 1, Lots A & B Lots 2-8 Blk. 2, Lots 1-16 Blk. 3, Lots 1-18 Blk. 4, Lots 1-4 Blk. 5, Lots 1-9 & 15-23 Blk. 6, Lots 1-16 Blk. 7, Lots 1-16 Blk. 8, Lots 1-8 Pt and 16-Pt and 18-22 Blk. 9, Lots 3-15 Blk. 10, Lots 4-12 Blk. 11, Lots 1-13 Blk. 12, Lots 12, 13, 14 Blk. 13, Lots 1, 2, 3 & 5-16 Blk. 14, Lots 1-16 Blk. 15, Lots 9, 11, 13 Blk. 16, Lots 1-5 Blk. 17, Lots 1-11 |

BELT AREA
T19N R6E, Sec. 26
Central Addition to Belt
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal</u> <u>Description</u> |
|------------------|----------------|---|
| State of Montana | | Blk. 5, Lots 10, 11, 12, 13, 14, 15-pt Blk 8, Lots 8-Pt, 9, 10, 11, 12 13, 14, 15, 16-Pt. Blk. 15, Lots 7, 8, 9, 14, 15, 16 |

BELT AREA
T19N R6E, Sec. 26
Kennedy's Addition to Belt

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|------------------------------------|---|--|
| Marlene Cinker | Box 113 Belt, Montana 59412 | Blk. 4, Lots 1-17 and 19-22 Blk. 8, Lots 1-24 |
| Great Northern Ry Co. R/W | | Blk. 2, Lots 2-7 Blk. 3, Lots 1-12 and 23, 24 |
| William M. Holt | H Bar R Ranches Lolo, Montana 59487 | Blk. 5, Lots 7, 9 |
| Genevieve R. Mizen et al | c/o M. Geraghty Boulder, Montana 59632 | Blk. 7, Lot 3 & 4 |
| State of Montana | | Blk. 6, Lots 1-9 Blk. 7, Lots 13-20 Blk. 11, Lots 1-24 Blk. 14, Lots 1-5 Blk. 15, Lots 6-10 |
| Gerald L. & Marcelyn A. Stinson | Belt, Montana 59412 | Blk. 1, Lots 1-12 Blk. 2, Lot 1 Blk. 3, Lots 13-22 Blk. 5, Lots 1-6 & 10-14 Blk. 7, Lots 1 & 2 Lots 5-12 & 21-24 Blk. 9, Lots 1-13 Blk. 10, Lots 1-24 Blk. 12, Lots 1-12 Blk. 13, Lots 1-5 Blk. 14, Lots 6-10 Blk. 15, Lots 1-5 |
| Anna Uychak | c/o M. Fischer 1903 Smelter Ave. Black Eagle, Montana 59414 | Blk. 4, Lots 18 and 23, 24 |

BELT AREA
T19N R6E, Sec. 26

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---------------------------------------|--|---|
| Sam Ballatore | Box 107 Belt, Montana 59412 | In SESE MK 7 In NWSE MK 29 |
| Samuel & Mannie Ballatore | Box 107 Belt, Montana 59412 | In SWSE MK 19 |
| City of Belt | | |
| George & Violet L. Bestwina | Belt, Montana 59412 | In SESW MK D |
| Gordon W. & Florence E. Black | Box 34 Belt, Montana 59412 | In SESE MK 5A |
| George F. & Paula C. Drga | Rt. 2, Box 1 Belt, Montana 59412 | SW/4, In S/2NW Ls 24.88 |
| Edward J. Jr., & Sandra L. Elam | Box 405 Belt, Montana 59412 | In NWNE MK 20A |
| Farmers Union Oil Oil Co. of G. F. | Box 2483 Great Falls, Montana 59403 | In NENW MK 28 In NWNE MK 30 In NENW MK 31 |
| Shirl L. & Phyllis Francom | Belt, Montana 59412 | In SENE W/Hwy MK 4 |
| Golden Valley Homes Partnership | 111 N. 30 St. Billings, Montana 59101 | In SWNE MK 23C |
| Gary E. & Candice J. Gray | Belt, Montana 59412 | |

BELT AREA
T19N R6E, Sec. 26
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|--|----------------------------------|
| Virgil N. & Viola Hanson | Star Rte. Box 3 Belt, Montana 59412 | |
| Martin A. Johnson Jr. | Box 545 Belt, Montana 59412 | In NE/4 MK 5B |
| Harold & Wilmae Keaster | Box 285 Belt, Montana 59412 | NWNW, W/2NENW, In S/2NW N/HWY |
| Russell E. & Elnora M. Keller | Box 484 Belt, Montana 59412 | In SWNE MK 23A |
| Jerry L. & Linda N. Kjelsrud | Belt, Montana 59412 | In NENW MK 8B |
| Beatrice M. MacLeod | c/o L. O'Brien 514 4 St. N. Great Falls, Montana 59401 | In E/2SW/4 MK E |
| Kenneth L. & Bobbin K. Maki | General Delivery Belt, Montana 59412 | In SENW MK B |
| Josephine, Robert M. & James E. Milos | Box 142 Belt, Montana 59412 | In E/2NE & NESE E/RD |
| Mary Mital | Belt, Montana 59412 | In SENW MK 13 |
| Montana Power Co. | | |
| State of Montana | | |

BELT AREA
T19N R6E, Sec. 26
 (Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--|---|---------------------------------------|
| W. H. Joseph Morris | Box 181 Belt, Montana 59412 | In NWNE MK 8D |
| Mountain States Tel. & Tel. Co. | | |
| Torlv Olson | Belt, Montana 59412 | In SENE MK 10 |
| Norman L. & Judy L. Poppe | Box 75 Belt, Montana 59412 | In SENW MK A |
| Melvin W. & Bonita A. Rennick | Belt, Montana 59412 | In E/2NE MK 5D |
| School District #29 | | |
| Potter Stanton Trustee & Ruth Doyle | 2954 S. Boston Place Tulsa, Oklahoma 74114 | In SWSE MK 9 |
| Eva E. Stober et al | Box 331 Belt, Montana 59412 | In SWNE MK 23B |
| David C. & Judy Stroop | Belt, Montana 59412 | In NENW MK 8C In NWNE & NENW MK 20 |
| Edward Talvi | Star Rte., Box 1 Belt, Montana 59412 | In NWSE MK 5C |
| Harry & Vicki M. Throckmorton | Box 441 Belt, Montana 59412 | In NENW MK 8E |

BELT AREA
T19N R6E, Sec. 26
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|--------------------------------|--------------------------------|------------------------------|
| Clara Warehime et al | Box 281 Belt, Montana 59412 | In S/2NW Ls 11.44 |
| Bert B. Williamson et al | Box 212 Belt, Montana 59412 | In SENE MK 4A |
| Raymond & Margaret Williams | Belt, Montana 59412 | In NESW & NWSE MK 12 |
| Edward M. & Aimee L. Wood | Box 273 Belt, Montana 59412 | In NWNE MK 16 |

BELT AREA
T19N R6E, Sec. 36

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|----------------------------------|---|--|
| Wayne F. & Marcia L. Anderson | Box 264 Belt, Montana 59412 | In SESW MK 5A |
| Dennis & Trudy Arndt | Belt, Montana 59412 | In NESE MK 9C |
| Steve & Linda Assels | Star Rte. Belt, Montana 59412 | In NESE MK 9F |
| Myron Bell | Star Rte. Belt, Montana 59412 | SESW Ls 4.76 |
| Myron & Vivian Bell | Star Rte. Belt, Montana 59412 | In SENW, NESW SW/RR Ls 12.82 In SWSE MK 14 In SWNW by M & B MK 15 In SWNW by M & B MK 15A |
| Edith M. Blain | Star Rte., Box 4 Belt, Montana 59412 | In NENW by M & B MK F |
| Forrest & Edna Bough | Box 164 Belt, Montana 59412 | In E/2NW MK H |
| Phyllis E. & Ethel E. Crane | 3208 11 Av. S., #45 Great Falls, Montana 59405 | In NENW by M & B MK B |
| John & Shirley Fellman | Box 399 Belt, Montana 59412 | In NESE MK 9D |
| Opel G. Goodman | Star Rte., Box 30 Belt, Montana 59412 | W/2SW |

BELT AREA
T19N R6E, Sec. 36
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|---------------------------------|--|--|
| Roy E. & Joyce E. Goodman | Star Rte., Box 24 Belt, Montana 59412 | In NESE MK D |
| G. F. Power Co. | | |
| Virgil N. & Viola H. Hanson | Star Rte., Box 3 Belt, Montana 59412 | Belt Misc. MK G In N/2NW MK E |
| Gerald R. & Linda L. Heggem | Belt, Montana 59412 | N/2SESE E/HWY In N/2NESESE MK 12 S/2SESE E/HWY |
| William R. & Betty J. Heilig | Box 32B Belt, Montana 59412 | In SESW MK 5D |
| Mary E. Kunkel | Star Rte. Belt, Montana 59412 | In NESE MK 9E |
| Oliver W. & Audrey S. Larson | Box 452 Belt, Montana 59412 | In NESE MK 9B In SESE MK 14A |
| Dean A. Locke | 2097 Washington St. Billings, Montana 59101 | In SESW MK 5C |
| Robert M. & James E. Milo | Belt, Montana 59412 | NWNE |
| Shirley Murphy | Box 144 Belt, Montana 59412 | |

BELT AREA
T19N R6E, Sec. 36
(Continued)

| <u>Owner</u> | <u>Address</u> | <u>Legal Description</u> |
|-------------------------------------|--|---|
| William L. & Clara V. Murphy | 2020 Sunrise Billings, Montana 59101 | In NWSE S/RR MK 10AB |
| Susan W. O'Leary | Star Rte., 33A Belt, Montana 59412 | In SESE MK 7C |
| Patrick E. & Iola A. Pierson | Star Rte., Box 32 Belt, Montana 59412 | In SESW MK 5B |
| Clinton R. Pilgeram | Box 67 East Glacier Park, Montana 59434 | E/2NE, In SENW, SWNE, NWSE In SWNE By M & B MK 13 |
| Mack L. & Jean G. Savage | Star Rte. Belt, Montana 59412 | In NESE MK 9A |
| W. C. & Theola Sederholm | 1401 1st St. Great Falls, Montana 59405 | In N/2NW, SWNW Ls2 |
| Edward W. & Majorie L. Spragg | P.O. Box 29 Belt, Montana 59412 | In S/2SWSE, S/2SWSESE |
| Mildred Thompson | Belt, Montana 59412 | In NENW MK A & C |
| Martin R. Vigen | Star Rte. Belt, Montana 59412 | In NWSE S/RR MK 10A |
| James L., Jr. & Marilyn Wakeford | Star Rte. Belt, Montana 59412 | In NESE MK 9G |

C. Belt area resident questionnaires

Best ✓

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? yes
b. A homeowner? yes
c. A landowner? yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------|-------------------|--------------------|
| a. Air quality | <u> </u> | <u>X</u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u>X</u> | <u> </u> |
| c. Subsurface water quality | <u> </u> | <u>X</u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u> </u> |
| g. Land sinkage | <u> </u> | <u>X</u> | <u> </u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes yes No

4) Do you own the mineral rights beneath your property?
Yes, 100% 50% Yes, Partially Don't know
No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No

Yes yes:

| | | How Much Area? |
|-----------------------------|-------------------|-------------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u>X</u> | <u> </u> |
| c. Subsurface water quality | <u>X</u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> |
| g. Land sinkage | <u>X</u> | <u> </u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No no
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-----------|-------|
| a. Reduced crop yield | <u>no</u> | _____ |
| b. Reduced livestock yield | <u>no</u> | _____ |
| c. Reduced land value | <u>no</u> | _____ |
| d. Reduced home value | <u>no</u> | _____ |
| e. Personal Health or safety | <u>no</u> | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off yes
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <u>no</u> | _____ |
| c. Treating the water to clear the streams | <u>yes</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>yes</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes yes
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I think the old mines would make
perfect Bomb shelters and not cost
to much. I cant understand why
Great Falls officials and People dont
do this - as it is we have absolutely
nothing

Your Name: _____

John P Brutsky. Helens Husband

Beit

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes ✓ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially 5 Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

HAVE REMOVED MOST COAL FROM PROPERTY

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒ *NOT Really*
Yes _____:

About How _____
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

MINE WATER HAS BELT CREEK RED & Yellow in places. In some areas RECLAMATION WOULD BE A WASTE OF money. OTHER PLACES A COMPLETE Necessity.

Your Name: _____

Walter A. Johnson

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|----------------|--------------------|
| a. Air quality | _____ | _____ | <u>✓</u> _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> _____ |
| c. Subsurface water quality | _____ | _____ | _____ <u>P</u> |
| d. Wildlife numbers | _____ | <u>✓</u> _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> _____ |
| f. Aesthetics, view | _____ | <u>✓</u> _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes ✓ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | <u>✓</u> _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | <u>✓</u> _____ |
| f. Aesthetics, view | <u>✓</u> _____ |
| g. Land sinkage | <u>✓</u> _____ |
| h. Other, (Specify) | _____ |
| <u>UNSAID</u> | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|----------------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | <u>✓</u> _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same ✓ _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------------|-------|
| a. Plugging the mine openings | <u>✓</u> _____ | _____ |
| b. Removing the mine waste piles | <u>✓</u> _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓ _____

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I NOW HAVE A SMALL CONTRACT
with state Land dept. to clean
up a mine in the AREA. The water
flowing out to my property is so bad
A science class from Great Falls uses it for
testing.

Your Name: Mal W. Rennie

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| a. Air quality | <u> </u> | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u> </u> | <u> </u> |
| c. Subsurface water quality | <u> </u> | <u> </u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u> </u> |
| g. Land sinkage | <u> </u> | <u> </u> | <u> </u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

3) Is there a mine site on your property? Yes No

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially Don't know
 No The owner is A.C.M.

5) Has any of your property been effected by any pollution from abandoned mines?

No
 Yes :

| | | How Much Area? |
|-----------------------------|-----------------------------|-----------------------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u>2 acres</u> |
| c. Subsurface water quality | <u> </u> | <u>11</u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> |
| g. Land sinkage | <u> </u> | <u> </u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

Loss of well

About How
Many Annual Dollars?

2

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
- b. No ✓

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Clara Warchime

Beit

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1) Are you:

- a. A farmer/rancher? ✓
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes ✓ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is ACM

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | | How Much Area? |
|-----------------------------|----------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | <u>✓</u> | <u>?</u> |
| c. Subsurface water quality | <u>✓</u> | <u>?</u> |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) loss of Well ✓

About How _____
Many Annual Dollars?

_____?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: James Warehime

BCH

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1) Are you:

- a. A farmer/rancher? ✓
 b. A homeowner? ✓
 c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|--|-------------------|-------------------|--------------------|
| a. Air quality | <u>✓</u> | <u> </u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| c. Subsurface water quality | <u>✓</u> | <u> </u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u>✓</u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u>✓</u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u>✓</u> |
| g. Land sinkage | <u> </u> | <u>✓</u> | <u> </u> |
| h. Other (specify) , <u>General nuisance</u> <u>and eyesore.</u> | <u> </u> | <u> </u> | <u>✓</u> |

3) Is there a mine site on your property? Yes ✓ No

4) Do you own the mineral rights beneath your property?

Yes, 100% Yes, Partially ✓ Don't know
 No The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No
 Yes ✓:

How Much Area?

| | | |
|-----------------------------|-------------------|-----------------------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u>✓</u> | <u>mine area.</u> |
| c. Subsurface water quality | <u> </u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u>✓</u> | <u>mine area</u> |
| f. Aesthetics, view | <u>✓</u> | <u>" "</u> |
| g. Land sinkage | <u>✓</u> | <u>area of mine tunnels</u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

~~No~~
Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value ✓ _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

_____ unknown _____
_____ _____
_____ _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓ _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|---------------------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | <u>if practical</u> |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see the work
started and finished without a lot of
unnecessary fooling around and money
spending, which is about what is going
to happen - It is going on 2 yrs since
the project was first started and nothing
has been done to this date

Your Name:

James Miller, 12/24/8
1111 E. 1st

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓ _____
 c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

How Much Area?

| | | |
|-----------------------------|-------|-------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No ☐

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Great Falls
✓ Put in
Belt

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | ✓ | | |
| b. Surface water quality | | ✓ | |
| c. Subsurface water quality | | ✓ | |
| d. Wildlife numbers | ✓ | | |
| e. Vegetation growth | | ✓ | |
| f. Aesthetics, view | | ✓ | |
| g. Land sinkage | | ✓ | |
| h. Other (specify) | | | |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

| | | About How Many Annual Dollars? |
|------------------------------|-------|-----------------------------------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Beit ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>X</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | <u>X</u> | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is ACM COMPANY

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes X:

| | | How Much Area? |
|-----------------------------|----------|---------------------|
| a. Air quality | <u>X</u> | <u>SMALL AMOUNT</u> |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | <u>X</u> | <u>519. 11</u> |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | <u>X</u> | <u>SMALL</u> |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes X:

About How
Many Annual Dollars?

a. Reduced crop yield

b. Reduced livestock yield

c. Reduced land value

d. Reduced home value

e. Personal Health or safety

f. Other, (Specify)

UNABLE TO DRILL WATER WELL ON OUR PROPERTY
BECAUSE OF MINE WATER SEEPAGE. WE HAD THE EXPENSE OF
PUMPING OUR WATER 800 FEET PLUS A MONTHLY WATER BILL OF \$8.50

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off

b. Worse off

c. About the Same

8) If the project and its cost was government sponsored, would you like to see any of the following done?

a. Plugging the mine openings

b. Removing the mine waste piles

c. Treating the water to clear the streams

d. Drilling wells to stop or reduce water flows

e. Reseeding after cleanup of waste piles

f. Using the waste piles on roads

g. Other, (Specify)

Yes

No

NEED THEM
FOR SENDING

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes

b. No

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Frank A Ballatore

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't fill out questionnaires to vague firms for vague reasons
but in general I can't get excited about coal mining in this area
and would seek any state, federal or environmental agencies
aid in resisting mining in proximity to my home

Your Name: Mike Sherry

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

a. A farmer/rancher? YES

b. A homeowner? YES

c. A landowner? YES

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes _____ No ~~X~~
NEXT TO IT.

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No
Yes X :

a. Air quality _____

b. Surface water quality _____

c. Subsurface water quality _____

d. Wildlife numbers _____

e. Vegetation growth _____

f. Aesthetics, view _____

g. Land sinkage _____

h. Other, (Specify) _____

How Much Area?

BELT CREEK } BAD
BELT CREEK } AT TIMES

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>XXXX</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

MADE PHONE CALLS TO HELENA "AIR-WATER QUALITY
BUREAU" ON BELT CREEK STREAM POLLUTION FROM
ABANDONED COAL MINES, THEY NEVER CALL
BACK OR WRITE BACK. IF IT WASN'T FOR
THE SPRING RUN OFF, BELT CREEK BELOW
THE TOWN OF BELT, WOULD BE ONE OF THE
WORST POLLUTED STREAM IN MONTANA.

Your Name:

LEO M. HERTZ Leo M. Hertz

Belt ✓

1) Are you:

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

3) Is there a mine site on your property? Yes _____ No ✓

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____ :

| | | How Much Area? |
|----|--------------------------|----------------|
| a. | Air quality | |
| b. | Surface water quality | |
| c. | Subsurface water quality | |
| d. | Wildlife numbers | |
| e. | Vegetation growth | |
| f. | Aesthetics, view | |
| g. | Land sinkage | |
| h. | Other, (Specify) | |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? *Should be shared by owners*

| | <input checked="" type="checkbox"/> Yes | No |
|---|---|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Edna R. Zurick

Box 325 (Pony is no longer living)
50

Left

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

In response to #8: I believe that the Gov't. has responsibility to see that the rights of people are protected. Free Enterprise can do a better job of controlling a project. Everything in #8 should be the responsibility of a private contractor.

Your Name: _____

Dennis J. Olney

Concerning Belt Creek, Montana area

Vaughn, mt

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? _____
c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>X</u> | _____ |
| c. Subsurface water quality | _____ | <u>X</u> | _____ |
| d. Wildlife numbers | <u>X</u> | _____ | _____ |
| e. Vegetation growth | <u>X</u> | _____ | _____ |
| f. Aesthetics, view | <u>X</u> | _____ | _____ |
| g. Land sinkage | <u>X</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

No 1
Yes _____:

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

a. Better off _____
b. Worse off _____
c. About the Same X

| | Yes | No |
|---|-----|----|
| a. Plugging the mine openings | | |
| b. Removing the mine waste piles | | |
| c. Treating the water to clear the streams | | |
| d. Drilling wells to stop or reduce water flows | | |
| e. Reseeding after cleanup of waste piles | | |
| f. Using the waste piles on roads | | |
| g. Other, (Specify) | | |

a. Yes _____
b. No _____

Your Name:

Geislermann

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? HOMEOWNER
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | _____ | _____ | <u>X</u> |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | _____ | <u>X</u> |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|----------|-----------------------|
| a. Air quality | <u>✓</u> | _____ |
| b. Surface water quality | <u>✓</u> | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ |
| e. Vegetation growth | <u>✓</u> | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Box 374

Butt, MT 59412

Belt

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|----------------|--------------------|
| a. Air quality | _____ | <u>✓</u> _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> _____ |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> _____ |
| d. Wildlife numbers | _____ | <u>✓</u> _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> _____ |
| g. Land sinkage | _____ | <u>✓</u> _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

a. Reduced crop yield _____

b. Reduced livestock yield _____

c. Reduced land value _____

d. Reduced home value _____

e. Personal Health or safety _____

f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒

b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

My major point of concern is the safety of children playing in the area of abandoned mines.

Your Name: _____

Karel Carlson

Belt



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Mrs. Oliver W. Larson

Concerning Belt Creek, Montana area Great Falls ✓

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | | |
| b. Surface water quality | | | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | | | <input checked="" type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | | |
| e. Vegetation growth | | <input checked="" type="checkbox"/> | |
| f. Aesthetics, view | | | <input checked="" type="checkbox"/> |
| g. Land sinkage | | <input checked="" type="checkbox"/> | |
| h. Other (specify) | | | |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ☒
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ☒:

| | How Much Area? |
|-----------------------------|--|
| a. Air quality | |
| b. Surface water quality | <input checked="" type="checkbox"/> Significant Amount |
| c. Subsurface water quality | <input checked="" type="checkbox"/> " " |
| d. Wildlife numbers | |
| e. Vegetation growth | |
| f. Aesthetics, view | |
| g. Land sinkage | |
| h. Other, (Specify) | |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Something should be done
~~the~~ (Belt Creek) is clear before entering Belt
and appears to be clear a couple
of mile down stream. The creek
in town is a cut a sore to the eye

Your Name: _____

Michael DeLena

Concerning Belt Creek, Montana area

TriCities, WA

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*We are Washington State residents
so unable to answer most of the questions.
It has been several years since we
have been to Montana.*

Your Name: _____

Joan Mace

But ✓

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- 1) Are you:
- a. A farmer/rancher? ✓
 - b. A homeowner? ✓
 - c. A landowner? ✓

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------------------|---------------|--------------------|
| a. Air quality | <u> </u> | <u>✓</u> | <u> </u> |
| b. Surface water quality | <u> </u> | <u>✓</u> | <u> </u> |
| c. Subsurface water quality | <u> </u> | <u> </u> | <u>✓</u> |
| d. Wildlife numbers | <u> </u> | <u>✓</u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u>✓</u> | <u> </u> |
| f. Aesthetics, view | <u> </u> | <u> </u> | <u>✓</u> |
| g. Land sinkage | <u> </u> | <u>✓</u> | <u> </u> |
| h. Other (specify) | <u> </u> | <u> </u> | <u> </u> |

- 3) Is there a mine site on your property? Yes No ✓

- 4) Do you own the mineral rights beneath your property? Yes, 100% farm Yes, Partially Don't know residence near town
No The owner is

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes :

| | | How Much Area? |
|-----------------------------|---------------|------------------------------|
| a. Air quality | <u> </u> | <u> </u> |
| b. Surface water quality | <u>✓</u> | <u>adjacent to residence</u> |
| c. Subsurface water quality | <u> </u> | <u> </u> |
| d. Wildlife numbers | <u> </u> | <u> </u> |
| e. Vegetation growth | <u> </u> | <u> </u> |
| f. Aesthetics, view | <u>✓</u> | <u>near residence</u> |
| g. Land sinkage | <u> </u> | <u> </u> |
| h. Other, (Specify) | <u> </u> | <u> </u> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

☒ No _____
☐ Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-----------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | ? Perhaps | ? |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
☒ c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | _____ | ? |
| d. Drilling wells to stop or reduce water flows | _____ | ? |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | ? |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I believe there is much talk, but very little understanding. This is a specialized area of knowledge - I believe the "right" answers are known. I don't know them, but am interested in learning more, because the problem has been quite severe in the past and could surface again. Surface water quality appeared worse years ago than

Your Name Lyneth L. Maki at the present.

Concerning Belt Creek, Montana area

Terry, Mr



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? X _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | <u>X</u> | | |
| d. Wildlife numbers | <u>X</u> | | |
| e. Vegetation growth | | <u>X</u> | |
| f. Aesthetics, view | | <u>X</u> | |
| g. Land sinkage | <u>X</u> | | |
| h. Other (specify) | <u>X</u> | | |
| _____ | | | |

3) Is there a mine site on your property? Yes X No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____

Yes X:

| | | How Much Area? |
|-----------------------------|----------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | <u>X</u> | <u>5 Ac</u> |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Don D. Hubler

Concerning Beit Creek, Montana area



T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am not familiar with any of the information necessary to complete the survey. I am only a land owner. My residence is in Nevada

Your Name:

Sydney H. Rosenberg
321 S. William Way
Las Vegas, NV 89110

But ✓

1) Are you:

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

3) Is there a mine site on your property? Yes _____ No ☒

- 4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes :

| | | How Much Area? |
|----|--------------------------|----------------|
| a. | Air quality | |
| b. | Surface water quality | |
| c. | Subsurface water quality | |
| d. | Wildlife numbers | |
| e. | Vegetation growth | |
| f. | Aesthetics, view | |
| g. | Land sinkage | |
| h. | Other, (Specify) | |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

Is being done

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
- b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is Government

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>✓</u> |
| b. Removing the mine waste piles | _____ | <u>✓</u> |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>✓</u> |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ✓

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Frederick Simmons Box 88 Silt

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>2</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>2</u> | _____ |
| c. Subsurface water quality | _____ | <u>2</u> | _____ |
| d. Wildlife numbers | <u>2</u> | _____ | _____ |
| e. Vegetation growth | <u>2</u> | _____ | _____ |
| f. Aesthetics, view | _____ | <u>2</u> | _____ |
| g. Land sinkage | <u>2</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same 7

- 8) If the project and its cost was government sponsored, would you like to see any of the following done? WHO IS THE GOVERNMENT?

NOT 'TIL THEY HAVE THE CASH TO PAY FOR IT

- | | <u>Yes</u> | <u>No</u> |
|---|------------|-----------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

IT WOULD CERTAINLY BE A IMPROVEMENT TO HAVE SUCH SITES

CLEANED UP, HOWEVER, IT SHOULDN'T BE DONE WITH BORROWED

FUNDS. SPENDING FUTURE TAXES IS WHAT IS WRONG WITH OUR

ECONOMY - CHAMPAIGN APPETITES WITH BEER POCKET BOOKS

SPELLS BANKRUPTCY - BIG SPENDERS OF THE OTHER FELLOWS MONEY.

Your Name: _____

Ed Morris



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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | _____ | <u>X</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | <u>_____</u> | _____ | <u>X</u> |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | <u>X</u> | _____ |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is D. K. VIGEN

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off X *cause of lack of work*
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I feel that if there was a definite project to try & clean up the water would make a great improvement on the quality of water for wildlife as for as fish & relieve home repairs on water lines, heaters etc.

Your Name: _____

Niger



Concerning Beit Creek, Montana area

Beit



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | | How Much Area? |
|-----------------------------|----------|-------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | <u>✓</u> | <u>Water Well</u> |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Phyllis E. Crane Ethel E. Crane



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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>0</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | <u>0</u> | | |
| d. Wildlife numbers | <u>0</u> | | |
| e. Vegetation growth | <u>0</u> | | |
| f. Aesthetics, view | <u>0</u> | | |
| g. Land sinkage | | | |
| h. Other (specify) | | | |
| _____ | | | |

3) Is there a mine site on your property? Yes _____ No

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

☒ No

☐ Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____

b. Worse off _____

☒ c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____

☒ b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Earl R. Sandness
Box 343
Beet Mont 59412

Billing 3 ✓

Concerning Belt Creek, Montana area

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | <u>Yes</u> | <u>No</u> |
|---|------------|-----------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: W.D. Murphy

Self



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____



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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? 2 acres

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | <u>X</u> | _____ |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>X</u> |
| g. Land sinkage | _____ | <u>X</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% 2 Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) | _____ | _____ |
- Presently being done*

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The mines in this area don't seem to be too much of a problem except for water flowing from them. I'd like to see them plugged. wild life use them during the winter. I have seen deer & birds go into the mines to get out of the weather.

Your Name: _____

Edward Spragg

Belt

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------------|----------------|--------------------|
| a. Air quality | _____ | _____ | <u>X</u> _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | <u>X</u> _____ | _____ |
| d. Wildlife numbers | <u>X</u> _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u>X</u> _____ |
| g. Land sinkage | <u>X</u> _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X _____
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X

b. Worse off _____

c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Alfred E. Berg. Box-411. Belt Montana

Concerning Belt Creek, Montana area

Great Falls



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | <u> X </u> | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | _____ | _____ | <u> X </u> |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | _____ | _____ | <u> X </u> |
| g. Land sinkage | _____ | _____ | <u> X </u> |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

DRY FORK OF BELT CREEK DOES NOT
SUPPORT FISH & WILD LIFE. BELT CREEK
BELOW DRY FORK STILL DOES NOT SUPPORT
FISH LIKE IT SHOULD, FROM YEARS OF
POLLUTED MINE WATER SEEPING INTO CREEK, ALSO

Your Name: JIM WHITAKER / CABIN WASTE BRING
PUT INTO BELT CREEK.

Belt ✓

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- 1) Are you:
- a. A farmer/rancher? I used to live on a farm, now
 - b. A homeowner? I live in the City of Belt
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | <u>✓</u> |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

- 3) Is there a mine site on your property? Yes _____ No ✓

- 4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is Now Clayton Sweetney, Belt

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓ _____:

About How _____
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓ _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We have old mines close to Belt. The water out of the mines are running into Belt Creek, above the town. The one mine's water is polluting the creek. We also have a cinder pile above Belt which is burning & causes smoke in the city.

Your Name: _____

John Thomas Mital

Concerning Belt Creek, Montana area

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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☐
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% ☒ Yes, Partially ☐ Don't know ☐
No ☐ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes ☐:

| | How Much Area? |
|-----------------------------|--------------------------|
| a. Air quality | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> |
| h. Other, (Specify) | <input type="checkbox"/> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am not as concerned about old mines as new mines. The streams are clean now and vegetation has grown since the last mining was done in the area

Your Name:

Charles F. Remington

Beit ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|--------------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>maybe</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see all mine dump &
water flows cleaned up around Belt, I look
like lead around here. These mine should
be cleaned up by the companies that caused
them if possible and then if they can't the
government should pick up the tab.

Your Name: _____

A. B. Scott

B. A ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | <u>none</u> |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

- a. Reduced crop yield None
b. Reduced livestock yield 11
c. Reduced land value 11
d. Reduced home value 11
e. Personal Health or safety 11
f. Other, (Specify) _____

About How
Many Annual Dollars?

11
11
11
11
11
11

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ✓

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Jack R. & Ted Borker

ECIT ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|------------------|--------------------|
| a. Air quality | <u>X</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | <u>DONT KNOW</u> | _____ |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | <u>X</u> | _____ | _____ |
| f. Aesthetics, view | _____ | <u>X</u> | _____ |
| g. Land sinkage | <u>X</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|------------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>(X)</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No X

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Pauline Greer



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1) Are you:

- a. A farmer/rancher? ☒
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Aimee Wood

2017 ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------------|----------------|--------------------|
| a. Air quality | _____ | <u>✓</u> _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> _____ | <u>✓</u> _____ |
| c. Subsurface water quality | _____ | <u>✓</u> _____ | _____ |
| d. Wildlife numbers | <u>✓</u> _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> _____ |
| f. Aesthetics, view | _____ | <u>✓</u> _____ | _____ |
| g. Land sinkage | _____ | <u>✓</u> _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ✓
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Russ E. Zent

3-17 ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ✓

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
- b. No ✓

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Elbert R Coleman

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | <u>✓</u> |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | <u>✓</u> | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | <u>None</u> |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | <u>✓</u> |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off ☒ _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

BEP

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | _____ | _____ | <u> X </u> |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X
Near by

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes X :

| | | How Much Area? |
|-----------------------------|--------------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | <u> X </u> | <u> X </u> |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

Small area Ditch
Ditch back of House unsightly

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We have one mine in particular
which discharges water into Belt Creek
we also get filtration into our local
water well which is used by the
Town.

Your Name: Bert Williams Box 212 Belt, Mont.
Former water plant Manager
for the Town of Belt 59412

Self ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Let these contracts for improving
to small contractors so the reclamation
won't cost the government so much
money and also have local surveyors or
engineers that know the area work on it.

Your Name: Proy E Goodman

Bell ✓

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1) Are you:

- a. A farmer/rancher?
b. A homeowner? ☒
c. A landowner?

| |
|-------------------------------------|
| <input checked="" type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ☒ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |
| _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Best ✓

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1) Are you:

- a. A farmer/rancher? no
b. A homeowner? yes
c. A landowner? no

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-----------------|--------------|--------------------|
| a. Air quality | <u>✓</u> | | |
| b. Surface water quality | <u>not know</u> | | |
| c. Subsurface water quality | <u>not know</u> | | |
| d. Wildlife numbers | <u>not know</u> | | |
| e. Vegetation growth | <u>not know</u> | | |
| f. Aesthetics, view | <u>not know</u> | | |
| g. Land sinkage | <u>not know</u> | | |
| h. Other (specify) | <u>not know</u> | | |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property? I have no
Yes, 100% _____ Yes, Partially _____ Don't know ✓ know
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | |
| b. Surface water quality | |
| c. Subsurface water quality | |
| d. Wildlife numbers | |
| e. Vegetation growth | |
| f. Aesthetics, view | |
| g. Land sinkage | |
| h. Other, (Specify) | |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield
- b. Reduced livestock yield
- c. Reduced land value
- d. Reduced home value
- e. Personal Health or safety
- f. Other, (Specify)

I do not know

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off
- b. Worse off
- c. About the Same

no

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- a. Plugging the mine openings
- b. Removing the mine waste piles
- c. Treating the water to clear the streams
- d. Drilling wells to stop or reduce water flows
- e. Reseeding after cleanup of waste piles
- f. Using the waste piles on roads
- g. Other, (Specify)

Yes

No

I do not know

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes
- b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I am a widowed and retired, so I am not in a position to help in any way with the questions you have asked.

Your Name:

Laurena McCafferty

Est



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|--|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| <u>f.</u> Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) <u>Eye Sore to the Community</u> | _____ | _____ | <u>✓</u> |

3) Is there a mine site on your property? Yes ~~✓~~ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is Don't know?

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield none
b. Reduced livestock yield none
c. Reduced land value none
d. Reduced home value none
e. Personal Health or safety none
f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- a. Plugging the mine openings
b. Removing the mine waste piles
definitely c. Treating the water to clear the streams
d. Drilling wells to stop or reduce water flows
e. Reseeding after cleanup of waste piles
f. Using the waste piles on roads
g. Other, (Specify) _____

| Yes | No |
|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| _____ | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It would be nice to get these
mines opened up & into production
if the govt would pay for economic
& pollution clean-up. It would
definitely help our economy, our community.

Your Name: Sincerely William Neill



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? X _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | <u>X</u> _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is Don't Know _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X _____
 Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Lawrence Nicola

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------------|----------------|--------------------|
| a. Air quality | _____ | <u>X</u> _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> _____ |
| c. Subsurface water quality | _____ | <u>X</u> _____ | _____ |
| d. Wildlife numbers | <u>X</u> _____ | _____ | _____ |
| e. Vegetation growth | <u>X</u> _____ | _____ | <u>X</u> _____ |
| f. Aesthetics, view | _____ | _____ | <u>X</u> _____ |
| g. Land sinkage | _____ | <u>X</u> _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X close

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No Y The owner is ANACONDA CO.

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes _____: ?

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
 Yes X: ?

About How
 Many Annual Dollars?

| | | |
|------------------------------|------------|----------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | <u>X</u> ? | <u>?</u> |
| d. Reduced home value | <u>X</u> ? | <u>?</u> |
| e. Personal Health or safety | <u>X</u> | <u>?</u> |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
 b. Worse off X
 c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>?</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
 b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

#8 d - Drilling wells to reduce water flows
~~may damage~~ would probably damage
 subsurface water quality

Your Name: _____

Bj. Wells

BCT

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | <u>✓</u> |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | <u>✓</u> | <u>✓</u> | _____ |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is A.C.M.

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: James C. Rubino

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|--------------------|
| a. Air quality | <input checked="" type="checkbox"/> | | |
| b. Surface water quality | | <input checked="" type="checkbox"/> | |
| c. Subsurface water quality | | <input checked="" type="checkbox"/> | |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | | |
| e. Vegetation growth | | <input checked="" type="checkbox"/> | |
| f. Aesthetics, view | | <input checked="" type="checkbox"/> | |
| g. Land sinkage | <input checked="" type="checkbox"/> | | |
| h. Other (specify) | | | |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ☒ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Refer to 8-b remove those waste piles in
or close to town. 8-c. treat water that
is running enough to cause pollution.
I do not feel that the government
should have to do all cleaning as it is to
costly.

Your Name: Thomas A. Thompson

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓ _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | <u>✓</u> _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓ _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
 Yes ✓ _____:

| | | How Much Area? |
|-----------------------------|----------------|----------------|
| a. Air quality | <u>✓</u> _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____



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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? _____
 - c. A landowner? X

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | <u> X </u> | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

- 3) Is there a mine site on your property? Yes _____ No X

- 4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

| | | |
|-----------------------------|-------|-----------------------|
| No <u> X </u> | | |
| Yes _____: | | <u>How Much Area?</u> |
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: EARL B. KENNEY Box 233 BELT, MONTANA 59412

Concerning Belt Creek, Montana area

Billings

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

see below

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't live in the area. I feel the Gov. should reduce taxes instead of spending its money here. The mines have been there for years, and the property owners acquired the land knowing its condition. I'm against any reclamation by Gov. I have nothing against private parties cleaning up their own property.

Your Name: Dean Locke

Concerning Belt Creek, Montana area

Vaughn ✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |
| <u>Don't live there</u> | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |
| <u>Don't live there</u> | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Don't live there but think mine work
should be done

Your Name: Larry Wahlgemuth

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓
 - c. A landowner? _____

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|------------------------------|--------------|--------------------|
| a. Air quality | <u> ✓ </u> | _____ | _____ |
| b. Surface water quality | <u> ✓ </u> | _____ | _____ |
| c. Subsurface water quality | <u> ✓ </u> | _____ | _____ |
| d. Wildlife numbers | <u> ✓ </u> | _____ | _____ |
| e. Vegetation growth | <u> ✓ </u> | _____ | _____ |
| f. Aesthetics, view | <u> ✓ </u> | _____ | _____ |
| g. Land sinkage | <u> ✓ </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

- 3) Is there a mine site on your property? Yes _____ No ✓

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*use of the spill & waste Piles
on Roads would be a great
idea, But Further costs
would be of no value just
for the sake of increasing the
Beauty of the Land scape.*

Your Name: _____

Jack Wiederrich
Jack Wiederrich

Great Falls

1) Are you:

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

3) Is there a mine site on your property? Yes _____ No X

- 4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially Don't know

No. _____ The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes :

| | | How Much Area? |
|----|--------------------------|----------------|
| a. | Air quality | |
| b. | Surface water quality | |
| c. | Subsurface water quality | |
| d. | Wildlife numbers | |
| e. | Vegetation growth | |
| f. | Aesthetics, view | |
| g. | Land sinkage | |
| h. | Other, (Specify) | |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Michaela



T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? ✓ _____
 - c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | <u>✓</u> | _____ |
| e. Vegetation growth | _____ | _____ | <u>✓</u> |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | <u>✓</u> | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes ✓:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other (Specify) | _____ |
| <u>Mud slides</u> | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Shirley A. Hill

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------------|----------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | <u>✓</u> _____ | <u>✓</u> _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓ _____
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I am 83 yrs old but could not help
much here*

Your Name: Chas. L. Berg

felt ✓

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1) Are you:

- a. A farmer/rancher?
b. A homeowner?
c. A landowner?

yes

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | | <u>X</u> |
| c. Subsurface water quality | <u>X</u> | | <u>X</u> |
| d. Wildlife numbers | <u>X</u> | | |
| e. Vegetation growth | <u>X</u> | | |
| f. Aesthetics, view | | <u>X</u> | |
| g. Land sinkage | | <u>X</u> | |
| h. Other (specify) | | | |
| _____ | | | |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |
| _____ | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X

b. Worse off _____

c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X

b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Clean up the mine water that runs
into Belt Creek polluting the
streams

Your Name: Michael F. Zukowski

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1) Are you:

- a. A farmer/rancher?
~~x~~ b. A homeowner? Homeowner
 c. A landowner?

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|--|------|--------------|--------------------|
| a. Air quality | | <u>a</u> | |
| b. Surface water quality | | | <u>b</u> |
| c. Subsurface water quality? | | | |
| d. Wildlife numbers? | | | |
| e. Vegetation growth? | | | <u>e</u> |
| f. Aesthetics, view | | <u>a</u> | |
| g. Land sinkage? | | | |
| h. Other (specify) <u>Belt Slack Dump</u> | | | <u>h</u> |

3) Is there a mine site on your property? Yes _____ No x

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know x
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
 Yes x:

- a. Air quality _____
 b. Surface water quality ✓
 c. Subsurface water quality _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view ✓
 g. Land sinkage ✓
 h. Other, (Specify)

at one time had water well
on property. Now not in
use. No sub. basement

How Much Area?

Deep Slack Ditch Across Road
Daily View Across Road

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes ☐:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|--|-------------------------------------|-------|
| a. Plugging the mine openings ? | _____ | _____ |
| b. Removing the mine waste piles ? | <input checked="" type="checkbox"/> | _____ |
| c. <u>Treating the water to clear the streams</u> | _____ | _____ |
| d. Drilling wells to stop or reduce water flows? | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) <u>OR make use of</u> <u>MINES AGAIN?</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No ☐

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

If it was not for the Bell property would not be!
However, Redtape has almost brought help to some
mines across. But the "Black Dump" has provided
cellars for winter storage use for years! You cannot
get rid of it. Mine water still flows into Bell Creek
what else can be done?

Your Name: _____

Mrs. Maxine Jander
P.O. Box 359
Bell, Montana 59412

Concerning Belt Creek, Montana area

PC00110



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? _____
- c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know ✓
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes _____:

About How Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

9.



8) If the project and its cost was government sponsored, would you like to see any of the following done?

- Plugging the mine openings
- Removing the mine waste piles
- Treating the water to clear the streams
- Drilling wells to stop or reduce water flows
- Reseeding after cleanup of waste piles
- Using the waste piles on roads
- Other, (Specify)

Yes

No

2

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No

1-

✓

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

J M Wright

Concerning Belt Creek, Montana area

Billings

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____

No ✓ The owner is A.C.M. 1/2 acre ago now Atlantic Richfield

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No ☒

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I own the property in City of Belt but I have not lived there for over thirty years. My brother lives on the property.

Your Name:

Merion E. Locke

Belt

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓
c. A landowner? ✓

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | <u>✓</u> | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially ✓ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Russell Leland

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | _____ | _____ | <u>✓</u> |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | _____ | _____ | <u>✓</u> |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No

Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

General - sloppy abandonment - Appearance + Safety

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
- b. Worse off _____
- c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | <u>✓</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
- b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Mine owners should pay for The work To Be
Done - They made The Mess.
Government (Taxpayers) should be spared for
a change

Your Name: Philip Kelfner

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | _____ | <u>✓</u> | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I would like to see the mines in
this AREA reopen as it would bring
new jobs in this AREA which is badly
needed. The Economy is Falling and
something has to be done to restore it.

Your Name: Michael Gambel

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) <u>Land fill</u> | <input checked="" type="checkbox"/> | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Reading in the St Falls Tribune, money
was appropriated for these clean projects, but
as of yet nothing has been done, Why?

Your Name: _____

Kevin S. Burley

3017 ✓

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? ✓ _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|----------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓ _____

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ✓

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | <u>✓</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

It's time that (something) be done!

Your Name: Gary E. Gray

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

There is "no" pollution here in Mont
to speak of. We moved here from Ala,
(Bham) & the pollution is terrible there.
I thankful to be in this clean air

Your Name: Mrs Clarence W Innon

Belt

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? _____
c. A landowner? _____

_____X_____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____X_____ | _____ |
| c. Subsurface water quality | _____ | _____X_____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____X_____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | <u>/</u> |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Why do anything with them
now?

Your Name: Shirley Mungby

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? Homeowner
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | | | <u>X</u> |
| d. Wildlife numbers | <u>X</u> | | |
| e. Vegetation growth | <u>X</u> | | |
| f. Aesthetics, view | <u>X</u> | | |
| g. Land sinkage | <u>X</u> | | |
| h. Other (specify) | | | |
| _____ | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |
| _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) <u>leave as is</u> | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

see no reason to spend taxpayers
money on mines when they maybe
open up again

Your Name: _____

Gerard W Mabery
12-17-1980

Concerning Belt Creek, Montana area

Have

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>✓</u> | _____ |
| b. Surface water quality | <u>✓</u> | _____ | _____ |
| c. Subsurface water quality | <u>✓</u> | _____ | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | <u>✓</u> |
| f. Aesthetics, view | <u>✓</u> | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | <u>✓</u> |
| <u>slag piles from coke ovens</u> | | | |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No ✓ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |
| _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No ☒

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Virginia Grotchee

72-1-14th St
Holt

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? X _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | _____ | <u>X</u> | _____ |
| b. Surface water quality | _____ | _____ | <u>X</u> |
| c. Subsurface water quality | _____ | _____ | <u>X</u> |
| d. Wildlife numbers | _____ | <u>X</u> | _____ |
| e. Vegetation growth | _____ | <u>X</u> | _____ |
| f. Aesthetics, view | _____ | <u>X</u> | _____ |
| g. Land sinkage | <u>X</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off X
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) <u>Use waste for</u> | _____ | _____ |
| <u>road construction.</u> | | |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We feel the biggest problem is the mine ~~waste~~ waste
pile. It pollutes Belt Creek, sometimes emits
sulfurous gas, and is somewhat of an eyesore.

Your Name: GARY CROWDER & JUDY CROWDER

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | <u> X </u> | _____ |
| c. Subsurface water quality | <u> X </u> | _____ | _____ |
| d. Wildlife numbers | <u> X </u> | _____ | _____ |
| e. Vegetation growth | _____ | <u> X </u> | _____ |
| f. Aesthetics, view | _____ | <u> X </u> | _____ |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know X
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Ours is a beautiful valley and the old
mines all look bad. Waste is now
used on city roads and I feel we
have way to much government in our
hies now.

Your Name:

Ernie R. Stokes 30x133

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? ☐
- b. A homeowner? ☒
- c. A landowner? ☐

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|--------------------------|--------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Subsurface water quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Wildlife numbers | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?
Yes, 100% ☐ Yes, Partially ☐ Don't know ☒
No ☐ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
Yes ☐:

| | | How Much Area? |
|-----------------------------|--------------------------|--------------------------|
| a. Air quality | <u>NO</u> | <input type="checkbox"/> |
| b. Surface water quality | <u>NO</u> | <input type="checkbox"/> |
| c. Subsurface water quality | <u>NO</u> | <input type="checkbox"/> |
| d. Wildlife numbers | <u>NO</u> | <input type="checkbox"/> |
| e. Vegetation growth | <u>NO</u> | <input type="checkbox"/> |
| f. Aesthetics, view | <u>NO</u> | <input type="checkbox"/> |
| g. Land sinkage | <u>NO</u> | <input type="checkbox"/> |
| h. Other, (Specify) | <input type="checkbox"/> | <input type="checkbox"/> |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield NO
b. Reduced livestock yield NO
c. Reduced land value NO
d. Reduced home value NO
e. Personal Health or safety NO
f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|--|-------|
| a. Plugging the mine openings | <u><input checked="" type="checkbox"/></u> | _____ |
| b. Removing the mine waste piles | <u><input checked="" type="checkbox"/></u> | _____ |
| c. Treating the water to clear the streams | <u><input checked="" type="checkbox"/></u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u><input checked="" type="checkbox"/></u> | _____ |
| e. Reseeding after cleanup of waste piles | <u><input checked="" type="checkbox"/></u> | _____ |
| f. Using the waste piles on roads | <u><input checked="" type="checkbox"/></u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

We need the coal for the
need of our nation's supply
It will put people back to
work. And they can clean up
the land as the coal is brought out -

Your Name: Larry G. Eganer Box 296 Belt Montana

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? ✓ _____
 c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | <u>✓</u> | _____ |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | <u>✓</u> | _____ | _____ |
| f. Aesthetics, view | <u>✓</u> | _____ | _____ |
| g. Land sinkage | _____ | _____ | <u>✓</u> |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ✓

No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I don't object to reclaiming the mining of coal in this area. The economic impact would be good but when all the coal is taken what will future generations do?

Your Name: _____

Jane Stewart 304323

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>✓</u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | <u>✓</u> |
| d. Wildlife numbers | <u>✓</u> | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> |
| g. Land sinkage | <u>✓</u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

Sold our ranch in 1966 but reserved the Mineral Rights which we own, with exception of 167 acres.

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

- a. Air quality _____
- b. Surface water quality _____
- c. Subsurface water quality _____
- d. Wildlife numbers _____
- e. Vegetation growth _____
- f. Aesthetics, view _____
- g. Land sinkage _____
- h. Other, (Specify) _____

How Much Area?

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*would like to see the mine water cleaned up
more than any thing. Belt Creek looks like a sewer
much of the year.*

Your Name: _____

Carl G. Johnson

Carl G. & Flossie M.

Johnson

Belt, Montana 59412

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- 1) Are you:
- a. A farmer/rancher? _____
 - b. A homeowner? i
 - c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> i </u> | _____ | _____ |
| b. Surface water quality | _____ | <u> i </u> | _____ |
| c. Subsurface water quality | <u> i </u> | _____ | _____ |
| d. Wildlife numbers | <u> i </u> | _____ | _____ |
| e. Vegetation growth | <u> i </u> | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u> i </u> |
| g. Land sinkage | <u> i </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No i

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know i
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No i
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Box 258 (or 268)
Beit, MT 59412

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X _____
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|----------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | <u>X</u> _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X _____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X _____
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*Just own 1 lot in Belt Township
so no fudge of land values
Pollution from one abandoned
mine on the west side of Belt
seems to color Belt Creek often, but
kids still catch fish in it*

Your Name: Norm Williamson

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? ☐
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% ☐ Yes, Partially ☐ Don't know ☒
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒
 Yes ☐:

| | How Much Area? |
|-----------------------------|----------------------|
| a. Air quality | <input type="text"/> |
| b. Surface water quality | <input type="text"/> |
| c. Subsurface water quality | <input type="text"/> |
| d. Wildlife numbers | <input type="text"/> |
| e. Vegetation growth | <input type="text"/> |
| f. Aesthetics, view | <input type="text"/> |
| g. Land sinkage | <input type="text"/> |
| h. Other, (Specify) | <input type="text"/> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same ☒

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

I work for the City of Belt
and feel something should be
done about this problem.

Your Name:

Danell O'Connell Belt Mont. Box 46
59412

Beit

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? _____
b. A homeowner? X
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | <u> X </u> | _____ | _____ |
| d. Wildlife numbers | <u> X </u> | _____ | _____ |
| e. Vegetation growth | <u> X </u> | _____ | _____ |
| f. Aesthetics, view | <u> X </u> | _____ | _____ |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No +
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Drainage from old ACM Mine in Belt is
polluting Belt Creek & should be corrected

Your Name: _____

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? _____

_____✓_____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____✓_____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____✓_____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____✓_____ |

flooding

3) Is there a mine site on your property?

Yes _____

No _____✓_____

4) Do you own the mineral rights beneath your property?

Yes, 100% _____

Yes, Partially _____

Don't know _____

No _____✓_____

The owner is

Mae Savage

5) Has any of your property been effected by any pollution from abandoned mines?

No _____

Yes _____✓_____:

- a. Air quality _____
 b. Surface water quality _____
 c. Subsurface water quality _____
 d. Wildlife numbers _____
 e. Vegetation growth _____
 f. Aesthetics, view _____
 g. Land sinkage _____✓_____
 h. Other, (Specify) _____

How Much Area?

1/2 Acre

459 sq ft

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒ _____
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: _____

Best

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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- 1) Are you:
- a. A farmer/rancher? Formerly
 - b. A homeowner? X
 - c. A landowner? X

- 2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------|--------------|--------------------|
| a. Air quality | <u>X</u> | | |
| b. Surface water quality | | <u>X</u> | |
| c. Subsurface water quality | <u>X</u> | | |
| d. Wildlife numbers | <u>X</u> | | |
| e. Vegetation growth | <u>X</u> | | |
| f. Aesthetics, view | | <u>X</u> | |
| g. Land sinkage | <u>X</u> | | |
| h. Other (specify) | | | |

- 3) Is there a mine site on your property? Yes _____ No X

- 4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

- 5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes ~~_____~~ :

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | <u>_____</u> |
| b. Surface water quality | <u>_____</u> |
| c. Subsurface water quality | <u>_____</u> |
| d. Wildlife numbers | <u>_____</u> |
| e. Vegetation growth | <u>_____</u> |
| f. Aesthetics, view | <u>_____</u> |
| g. Land sinkage | <u>_____</u> |
| h. Other, (Specify) | <u>_____</u> |

nil

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |
- No*

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

*I think it is one of the most useless
bits of boondoggle perpetrated on the
public. The money had better be put to use
taking care of and towards the public
institutions for the unfortunate, or to schools.*

Your Name: _____

John Mann

Be it



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | <u> X </u> | _____ |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | <u> X </u> | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | <u> X </u> | _____ | _____ |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know X
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Bill Henderson

Belt

4. 2

- a. A farmer/rancher?
- b. A homeowner?
- c. A landowner?

- | | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|--------------|--------------------|
| a. Air quality | | | |
| b. Surface water quality | | | |
| c. Subsurface water quality | <input checked="" type="checkbox"/> | | |
| d. Wildlife numbers | | | |
| e. Vegetation growth | | | |
| f. Aesthetics, view | | | |
| g. Land sinkage | | | |
| h. Other (specify) | | | |

- Yes No ☒

- Do you own the mineral rights beneath your property?
 Yes, 100% _____ Yes, Partially _____ Don't know 1
 No _____ The owner is _____

- mines?

No 1
Yes _____:

| How Much Area? | |
|-----------------------------|-------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ✓
Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

John C. Costner
Costner



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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: June 7 Berg

Belt

Great Falls

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

a. A farmer/rancher? _____

b. A homeowner? _____ ☒

c. A landowner? _____ ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | _____ |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ☒

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know ☒

No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No ☒

Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines? ☒ No ☐ Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒ _____
b. Worse off ☐ _____
c. About the Same ☐ _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|---------------------------|-------------------------------------|
| a. Plugging the mine openings | _____ | <input checked="" type="checkbox"/> |
| b. Removing the mine waste piles | _____ | <input checked="" type="checkbox"/> |
| c. Treating the water to clear the streams | _____ | <input checked="" type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | _____ | <input checked="" type="checkbox"/> |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | <u>already being done</u> | <input checked="" type="checkbox"/> |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
b. No ☐ _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

Russell & Joanne Woytowski

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1) Are you:

- a. A farmer/rancher? _____
 b. A homeowner? _____
 c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | <u> X </u> | <u> X </u> | _____ |
| c. Subsurface water quality | <u> X </u> | _____ | _____ |
| d. Wildlife numbers | <u> X </u> | _____ | _____ |
| e. Vegetation growth | <u> X </u> | _____ | _____ |
| f. Aesthetics, view | _____ | <u> X </u> | _____ |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | How Much Area? |
|-----------------------------|--------------|----------------|
| a. Air quality | <u> X </u> | _____ |
| b. Surface water quality | <u> X </u> | _____ |
| c. Subsurface water quality | <u> X </u> | _____ |
| d. Wildlife numbers | <u> X </u> | _____ |
| e. Vegetation growth | <u> X </u> | _____ |
| f. Aesthetics, view | <u> X </u> | _____ |
| g. Land sinkage | <u> X </u> | _____ |
| h. Other, (Specify) | _____ | _____ |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off X
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | _____ | <u>X</u> |
| b. Removing the mine waste piles | _____ | <u>X</u> |
| c. Treating the water to clear the streams | _____ | <u>X</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | _____ | <u>X</u> |
| f. Using the waste piles on roads | <u>X</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

The abandoned mines in our vicinity could be
used as Fall-out shelters if they were improved
a little. I would not like to see them
plugged. In case of nuclear war, it would be
wonderful to have some protection. The old
mines are not dangerous.

Your Name: _____

Edith M. Blain.
(retired teacher)

Beit

✓

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? ✓ _____
- c. A landowner? ✓ _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|----------------|----------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | <u>✓</u> _____ | _____ |
| c. Subsurface water quality | _____ | <u>✓</u> _____ | _____ |
| d. Wildlife numbers | <u>✓</u> _____ | _____ | _____ |
| e. Vegetation growth | _____ | <u>✓</u> _____ | _____ |
| f. Aesthetics, view | _____ | _____ | <u>✓</u> _____ |
| g. Land sinkage | <u>✓</u> _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes ✓ No _____

4) Do you own the mineral rights beneath your property?

Yes, 100% ✓ Yes, Partially _____ Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No _____
Yes ✓:

| | | How Much Area? |
|-----------------------------|----------------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | <u>✓</u> _____ | _____ |
| f. Aesthetics, view | <u>✓</u> _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
b. Worse off _____
c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | _____ | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: MAC K L SAVAGE

Great Falls

100

• • •

-
- A handwritten lowercase letter 'x' is shown on primary ruled lines. The letter is formed by two intersecting diagonal strokes. The top of the 'x' reaches the top line, and the bottom reaches the bottom line. The intersection occurs between the middle and bottom lines.

- Yes _____ No 2

- No ☒ The owner is 7

- No _____
Yes _____ :

- no

How Much Area?

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____

Yes _____:

- a. Reduced crop yield
- b. Reduced livestock yield
- c. Reduced land value
- d. Reduced home value
- e. Personal Health or safety
- f. Other, (Specify) _____

no

↓

About How _____
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <u>X</u> |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads | _____ | <u>X</u> |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes X
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Martin E. Werner

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1) Are you:

- a. A farmer/rancher? ☐
- b. A homeowner? ☒
- c. A landowner? ☒

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| a. Air quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Subsurface water quality | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Wildlife numbers | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Land sinkage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h. Other (specify) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3) Is there a mine site on your property? Yes ☐ No ☒

4) Do you own the mineral rights beneath your property?
 Yes, 100% ☐ Yes, Partially ☐ Don't know ☒
 No ☐ The owner is

5) Has any of your property been effected by any pollution from abandoned mines?

No ☐
 Yes ☒:

| | | How Much Area? |
|-----------------------------|-------------------------------------|-------------------------------|
| a. Air quality | <input type="checkbox"/> | <input type="text"/> |
| b. Surface water quality | <input type="checkbox"/> | <input type="text"/> |
| c. Subsurface water quality | <input checked="" type="checkbox"/> | <i>the well have own home</i> |
| d. Wildlife numbers | <input type="checkbox"/> | <input type="text"/> |
| e. Vegetation growth | <input type="checkbox"/> | <input type="text"/> |
| f. Aesthetics, view | <input type="checkbox"/> | <input type="text"/> |
| g. Land sinkage | <input type="checkbox"/> | <input type="text"/> |
| h. Other, (Specify) | <input type="checkbox"/> | <input type="text"/> |

- 6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes ✓:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
b. Reduced livestock yield _____
c. Reduced land value _____
d. Reduced home value _____
e. Personal Health or safety _____
f. Other, (Specify) _____

Drilling of new well

Total of \$2,000 to date

- 7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ✓
b. Worse off _____
c. About the Same _____

- 8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|----------|----------|
| a. Plugging the mine openings | <u>✓</u> | _____ |
| b. Removing the mine waste piles | <u>✓</u> | _____ |
| c. Treating the water to clear the streams | _____ | <u>✓</u> |
| d. Drilling wells to stop or reduce water flows | _____ | <u>✓</u> |
| e. Reseeding after cleanup of waste piles | <u>✓</u> | _____ |
| f. Using the waste piles on roads | <u>✓</u> | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

- 9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ✓
b. No _____

- 10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

If the mines are properly plugged the
water flows will be stopped

Your Name:

Patrick E. Pearson

Self

Great Falls

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? yes
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u>✓</u> |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No ✓

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
 No ✓ The owner is 26 m

5) Has any of your property been effected by any pollution from abandoned mines?

No ✓
 Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | _____ |
| b. Surface water quality | _____ |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No ☒

Yes _____:

About How
Many Annual Dollars?

- a. Reduced crop yield _____
- b. Reduced livestock yield _____
- c. Reduced land value _____
- d. Reduced home value _____
- e. Personal Health or safety _____
- f. Other, (Specify) _____

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off ☒
- b. Worse off _____
- c. About the Same _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|-------------------------------------|-------|
| a. Plugging the mine openings | _____ | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: Edward J. Elam Sr.

Belx
Great Falls

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|--------------|--------------|--------------------|
| a. Air quality | <u> X </u> | _____ | _____ |
| b. Surface water quality | _____ | <u> X </u> | _____ |
| c. Subsurface water quality | _____ | <u> X </u> | _____ |
| d. Wildlife numbers | _____ | <u> X </u> | _____ |
| e. Vegetation growth | _____ | <u> X </u> | _____ |
| f. Aesthetics, view | _____ | _____ | <u> X </u> |
| g. Land sinkage | <u> X </u> | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is ?

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | How Much Area? |
|-----------------------------|----------------|
| a. Air quality | <u> no </u> |
| b. Surface water quality | <u> 7 </u> |
| c. Subsurface water quality | _____ |
| d. Wildlife numbers | _____ |
| e. Vegetation growth | _____ |
| f. Aesthetics, view | _____ |
| g. Land sinkage | _____ |
| h. Other, (Specify) | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No _____
Yes _____:

- a. Reduced crop yield
- b. Reduced livestock yield
- c. Reduced land value
- d. Reduced home value
- e. Personal Health or safety
- f. Other, (Specify) _____

no
↓

About How
Many Annual Dollars?

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
- b. Worse off _____
- c. About the Same ☒ _____

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | _____ |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | _____ |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | <input checked="" type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | _____ |
| f. Using the waste piles on roads | _____ | <input checked="" type="checkbox"/> |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes ☒ _____
- b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name:

James D. Werner

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1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? X

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | <u>None</u> | <u>Small Amount</u> | <u>Significant Amount</u> |
|-----------------------------|-------------|---------------------|---------------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | _____ | _____ | <u> X </u> |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% X Yes, Partially _____ Don't know _____
 No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
 Yes _____:

| | | <u>How Much Area?</u> |
|-----------------------------|-------|-----------------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

| | Yes | No |
|--|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | <u>X</u> | _____ |
| c. Treating the water to clear the streams | <u>/</u> | _____ |
| d. Drilling wells to stop or reduce water flows | <u>X</u> | _____ |
| e. Reseeding after cleanup of waste piles | <u>X</u> | _____ |
| f. Using the waste piles on roads - <u>only if covered with gravel</u> | | |
| g. Other, (Specify) <u>As a base only</u> | | |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

a. Yes _____
b. No _____

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Your Name: JOHN YURKO

Belt

Highwood

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

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1) Are you:

- a. A farmer/rancher? X
b. A homeowner? _____
c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | _____ |
| b. Surface water quality | _____ | <u>X</u> | _____ |
| c. Subsurface water quality | _____ | <u>5</u> | _____ |
| d. Wildlife numbers | _____ | _____ | _____ |
| e. Vegetation growth | _____ | _____ | _____ |
| f. Aesthetics, view | _____ | <u>X</u> | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?
Yes, 100% _____ Yes, Partially X Don't know _____
No _____ The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

6) Have you experienced an economic loss from any pollution from abandoned mines?

No X
Yes _____:

About How
Many Annual Dollars?

- | | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

7) Do you generally think you or your family are any better off or worse off for living where you do than others in rural Cascade County?

- a. Better off _____
b. Worse off _____
c. About the Same X

8) If the project and its cost was government sponsored, would you like to see any of the following done?

- | | Yes | No |
|---|----------|-------|
| a. Plugging the mine openings | <u>X</u> | _____ |
| b. Removing the mine waste piles | _____ | _____ |
| c. Treating the water to clear the streams | <u>X</u> | _____ |
| d. Drilling wells to stop or reduce water flows | _____ | _____ |
| e. Reseeding after cleanup of waste piles | _____ | _____ |
| f. Using the waste piles on roads | _____ | _____ |
| g. Other, (Specify) _____ | _____ | _____ |

9) As an area property owner would you be willing to participate in mine site reclamation projects if you had input regarding the project?

- a. Yes _____
b. No X

10) Please make any comment or observation you wish about the issues of reclaiming local abandoned mine sites.

Plugging mine openings & water
quality would be my two most
important projects.

Your Name:

Dennis Bough (in place of Forrest
& Edna Bough who have moved & retired)

BCIT

T.A.P. Inc., a Bozeman based research firm, is assisting the Montana Department of State Lands in examining impacts and possible reclamation of abandoned coal mines in your locality. Your cooperation and input by answering this short survey will help us learn how local property owners feel about these mines.

The survey can be completed by just check marking the appropriate space. Use the pre-addressed, no stamp required envelope to return the survey to us. Your answers will be combined with those of your neighbors and the results will be available to you and to the Department of State Lands. Thank you for your help.

1) Are you:

- a. A farmer/rancher? _____
- b. A homeowner? X
- c. A landowner? _____

2) To what extent do you think there is a general pollution of the local environment from abandoned mines?

| | None | Small Amount | Significant Amount |
|-----------------------------|-------|--------------|--------------------|
| a. Air quality | _____ | _____ | <u> X </u> |
| b. Surface water quality | _____ | _____ | <u> X </u> |
| c. Subsurface water quality | _____ | _____ | <u> X </u> |
| d. Wildlife numbers | _____ | _____ | <u> X </u> |
| e. Vegetation growth | _____ | _____ | <u> X </u> |
| f. Aesthetics, view | _____ | _____ | _____ |
| g. Land sinkage | _____ | _____ | _____ |
| h. Other (specify) | _____ | _____ | _____ |

3) Is there a mine site on your property? Yes _____ No X

4) Do you own the mineral rights beneath your property?

Yes, 100% _____ Yes, Partially _____ Don't know _____
No X The owner is _____

5) Has any of your property been effected by any pollution from abandoned mines?

No X
Yes _____:

| | | How Much Area? |
|-----------------------------|-------|----------------|
| a. Air quality | _____ | _____ |
| b. Surface water quality | _____ | _____ |
| c. Subsurface water quality | _____ | _____ |
| d. Wildlife numbers | _____ | _____ |
| e. Vegetation growth | _____ | _____ |
| f. Aesthetics, view | _____ | _____ |
| g. Land sinkage | _____ | _____ |
| h. Other, (Specify) | _____ | _____ |

- No 1
Yes _____:

| | | |
|------------------------------|-------|-------|
| a. Reduced crop yield | _____ | _____ |
| b. Reduced livestock yield | _____ | _____ |
| c. Reduced land value | _____ | _____ |
| d. Reduced home value | _____ | _____ |
| e. Personal Health or safety | _____ | _____ |
| f. Other, (Specify) | _____ | _____ |

- a. Better off
b. Worse off ✓
c. About the Same

- | | Yes | No |
|---|-------------------------------------|--------------------------|
| a. Plugging the mine openings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Removing the mine waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Treating the water to clear the streams | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Drilling wells to stop or reduce water flows | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e. Reseeding after cleanup of waste piles | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. Using the waste piles on roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g. Other, (Specify) | | |

- a. Yes _____
b. No X

-
-
-
-

Your Name: _____

